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TABLES OF STIFFNESS AND CARRY-OVER FACTOR FOR FLAT  
RECTANGULAR PLATES UNDER COMPRESSION

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TABLES OF STIFFNESS AND CARRY-OVER FACTOR FOR FLAT  
RECTANGULAR PLATES UNDER COMPRESSION

By W. D. Kroll

SUMMARY

Tables of stiffness and carry-over factor are presented for infinitely long flat plates subjected to a uniformly distributed longitudinal compressive load. The tables are intended for use in solving problems in the stability of structures composed of plates under compression.

INTRODUCTION

The method of moment distribution, originally developed by Hardy Cross (reference 1) as a convenient means of stress analysis, was extended (reference 2) to solve problems in the stability of bars under axial load. For efficient use of the method, tables of stiffness and carry-over factor for bars in tension and compression were prepared and published in reference 3.

The usefulness of the method of moment distribution in dealing with problems in the stability of bar structures suggested that the method be extended to apply to problems in the stability of plate structures. As structures made up of thin plates increase in complexity, rigorous application of the classical theory for the buckling of thin plates becomes more and more cumbersome, and a more practicable method of dealing with such problems becomes desirable. By suitable extensions of the definitions of quantities as used in reference 2 in the method of moment distribution, the entire group of formulas and relations associated with this method may be retained intact for direct application to plate structures. (See reference 4.)

In order to apply the method of moment distribution to problems in the stability of plate structures, it is necessary to know the stiffness and the carry-over factor of a plate under compression, for various conditions of edge support and restraint. Tables of these quantities have been prepared and are presented in this report.

### SYMBOLS

E modulus of elasticity

$\eta$  nondimensional coefficient that takes into account reduction of modulus of elasticity for stresses above the elastic range. Within the elastic range,  $\eta = 1$ ; above the elastic range,  $\eta < 1$  (see reference 5).

$\mu$  Poisson's ratio

b width of plate

t thickness of plate

D flexural stiffness of plate  $\left[ \frac{Et^3}{12(1 - \mu^2)} \right]$

$\bar{D}$  effective flexural stiffness for stresses above

elastic range  $\left[ \frac{\eta Et^3}{12(1 - \mu^2)} \right]$

$\sigma$  longitudinal compressive stress in plate

$$k = \frac{b^2 t}{\pi^2 D} \sigma$$

$\lambda$  half wave length of buckles in longitudinal direction

$$\alpha = \pi \sqrt{\left(\frac{b}{\lambda}\right)^2 + \left(\frac{b}{\lambda}\right) \sqrt{k}}$$

$$\beta = \frac{\alpha}{\pi} \sqrt{-\left(\frac{b}{\lambda}\right)^2 + \left(\frac{b}{\lambda}\right) \sqrt{k}}$$

$$m = \left(\frac{\alpha}{2}\right)^2 - \mu \left(\frac{\pi b}{2\lambda}\right)^2$$

$$n = \left(\frac{\beta}{2}\right)^2 + \mu \left(\frac{\pi b}{2\lambda}\right)^2$$

The symbols used to designate the stiffness and carry-over factor for the different types of support and restraint at the far edge are given in the following table:

Stiffness	Carry-over factor	Conditions at far edge
S	C	Far edge supported and fixed against rotation
$S^I$	$C^I$	Far edge supported and elastically restrained against rotation
$S^{II}$	$C^{II} = 0$	Far edge supported with no restraint against rotation
$S^{III}$	$C^{III} = 0$	Far edge free (no support and no restraint against rotation)
$S^{IV}$	$C^{IV} = -1$	Far edge supported and subjected to sinusoidally distributed moment equal and opposite to moment applied at near edge

The quantities  $S^I$ ,  $C^I$ ,  $S^{II}$ , and  $C^{II}$  of this paper correspond to the quantities  $S'$ ,  $C'$ ,  $S''$ , and  $C''$  respectively, in reference 2.

#### DEFINITIONS

Stiffness and carry-over factor.— The solution of the differential equation for the critical compressive stress of an infinitely long plate with given edge restraints reveals that, when the plate buckles, the moments and the rotations at both edges of the plate vary sinusoidally along the edges and are in phase with each other. The ratio of moment per unit length at any point along the edge to the rotation at that point is therefore constant along the edge for a given wave length.

From these considerations, it is possible to write the following definitions of stiffness and carry-over factor:

**Stiffness:** If an infinitely long flat plate is under longitudinal compression, with one unloaded edge on an unyielding support, the ratio of moment per unit length at any point along this unloaded edge to the rotation in quarter-radians at that point when the moment is distributed sinusoidally is called the stiffness of the plate.

**Carry-over factor:** The ratio of the moment per unit length developed at any point along the far unloaded edge to the applied moment per unit length at the corresponding position along the near unloaded edge is called the carry-over factor of the plate.

The foregoing definitions make it possible to use for plates stiffnesses and carry-over factors exactly analogous to those used for bars (references 2 to 4). The particular definitions of stiffness and carry-over factor depend upon the conditions of support and the amount of restraint against rotation at the far edge.

Tables I and II do not give directly the values of stiffness, but of stiffness divided by a factor  $\bar{D}/b$ , to be defined presently. The actual stiffnesses are therefore obtained by multiplying the values in the tables by  $\bar{D}/b$ . The value of  $C$  is read directly from the tables.

Sign convention.— A clockwise moment acting on the edge of a plate is positive. A positive moment acting at a point along the edge of a plate produces positive rotation of the plate at that point.

## TABLES

### Formulas Used in Calculation

The quantities  $S/(\bar{D}/b)$ ,  $S^{II}/(\bar{D}/b)$ ,  $S^{III}/(\bar{D}/b)$ ,  $S^{IV}/(\bar{D}/b)$ , and  $C$  are tabulated in table I against  $k$  for various values of the parameter  $\lambda/b$ , the ratio of the half wave length of the buckles to the width of the

plate. The quantity  $S^{III}/(\bar{D}/b)$  is given only for values of  $\lambda/b$  greater than unity and for values of  $k$  that cover the range expected to be needed in the solution of practical problems. The quantity  $S^{III}/(\bar{D}/b)$  for values of  $\lambda/b$  other than those in table I is given in table II. The stiffness  $S^I$  and carry-over factor  $C^I$  that apply when the far edge of the plate is elastically restrained are dependent on the restraint of the far edge and can be computed by the formulas given in reference 4. The formulas used in the calculation of the tables are

$$C = \frac{\left( \frac{\alpha}{2} \tanh \frac{\alpha}{2} + \frac{\beta}{2} \tan \frac{\beta}{2} \right) - \left( \frac{\alpha}{2} \coth \frac{\alpha}{2} - \frac{\beta}{2} \cot \frac{\beta}{2} \right)}{\left( \frac{\alpha}{2} \tanh \frac{\alpha}{2} + \frac{\beta}{2} \tan \frac{\beta}{2} \right) + \left( \frac{\alpha}{2} \coth \frac{\alpha}{2} - \frac{\beta}{2} \cot \frac{\beta}{2} \right)} \quad (1)$$

$$\frac{S^{II}}{D/b} = \frac{\left( \frac{\alpha}{2} \right)^2 + \left( \frac{\beta}{2} \right)^2}{\frac{\alpha}{2} \tanh \frac{\alpha}{2} + \frac{\beta}{2} \tan \frac{\beta}{2} + \frac{\alpha}{2} \coth \frac{\alpha}{2} - \frac{\beta}{2} \cot \frac{\beta}{2}} \quad (2)$$

$$\frac{S}{\bar{D}/b} = \frac{\frac{S^{II}}{D/b}}{1 - C^2} \quad (3)$$

$$\frac{S^{IV}}{\bar{D}/b} = \frac{\frac{S^{II}}{D/b}}{1 + C} \quad (4)$$

$$\frac{S_{III}}{D/b} = \left[ \left( \frac{\alpha}{2} \right)^2 + \left( \frac{\beta}{2} \right)^2 \right] \left\{ \frac{\frac{\beta}{2} n^2 \left( 1 - \tan^2 \frac{\beta}{2} \right) \tanh \frac{\alpha}{2} - \frac{\alpha}{2} n^2 \left( 1 + \tanh^2 \frac{\alpha}{2} \right) \tanh \frac{\beta}{2}}{\cosh^2 \frac{\alpha}{2} \cos^2 \frac{\beta}{2}} + \left( \frac{\alpha}{2} \right) \left( \frac{\beta}{2} \right) (n^2 + n^2) \left( 1 + \tanh^2 \frac{\alpha}{2} \right) \left( 1 - \tanh^2 \frac{\beta}{2} \right) + 4 \left[ n^2 \left( \frac{\beta}{2} \right)^2 - \tanh^2 \left( \frac{\alpha}{2} \right)^2 \right] \tanh \frac{\alpha}{2} \tanh \frac{\beta}{2} \right\} \quad (5)$$

The foregoing formulas are derived in the appendix of reference 4.

## Accuracy

In order to obtain values accurate to the number of significant figures given in the tables, the computations were made by using either eight or ten significant figures. In certain instances the computations involved the use of rather small differences of large numbers, which reduced the accuracy of some of the final values to five significant figures. Equations (1), (2), and (3) were used in the form and order given to calculate the second, third, and fourth columns in table I. The fifth column was obtained by squaring the second column. The sixth column was obtained by squaring the fourth column and multiplying by the fifth column; the sixth column was therefore made to depend upon all preceding columns. All values were then tabulated to as many significant figures as were allowed by the computations and the differences for the sixth column were studied. An independent check was made for a series of values throughout the tables as well as for values where errors were suggested by irregular differences. After any necessary corrections were made, the values given in the seventh column were computed. Differences for this column were then studied and corrected where errors were noted by irregular differences. The values  $S^{III}/(D/b)$  given in table II were computed from equation (5) to the degree of accuracy previously mentioned and were independently checked for errors by the method of differences. Some of these values are also included in table I.

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TABLE I.- VALUES OF STIFFNESS AND CARRY-OVER FACTOR

$\frac{k}{b}$	C	$\frac{SII}{D/b}$	$\frac{SII}{D/b}$	$\frac{S^2C^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\Delta}{b} = 0.40$					
0	0.00032153	3.92701	3.92712	0.0000283187	3.90622
.1	.00055244	3.91912	3.91924	0.000435557	3.89748
.2	.00079281	3.91115	3.91128	0.000308296	3.890362
.3	.0004298	3.90509	3.90524	0.000355566	3.880356
.4	.00053044	3.89496	3.89511	0.000365176	3.87965
.5	.00057465	3.88673	3.88690	0.000602850	3.87056
.6	.000685711	3.87842	3.87860	0.000470199	3.865201
.7	.000715134	3.87002	3.87022	0.000511417	3.84264
.8	.000745790	3.86152	3.86173	0.00082465	3.83293
.9	.000777737	3.85293	3.85316	0.000604875	3.808048
1.0	.000811037	3.84423	3.84448	0.000657781	3.800972205
1.1	.000845755	3.83544	3.83571	0.0000715302	3.80327
1.2	.000881961	3.82654	3.82683	0.0000777856	3.79308
1.3	.000919727	3.81753	3.81785	0.0000845898	3.78274
1.4	.000959131	3.80841	3.80876	0.0000919932	3.77222
1.5	.001000025	3.79917	3.79955	0.000100651	3.76154
1.6	.00104318	3.78982	3.79023	0.000108823	3.75069
1.7	.0108801	3.78034	3.78079	0.000118377	3.73965
1.8	.013484	3.77073	3.77122	0.000128787	3.72842
1.9	.018376	3.76100	3.76153	0.000140129	3.71700
2.0	.0124490	3.75113	3.75170	0.000152498	3.70537
2.1	.0128837	3.74112	3.74174	0.000165989	3.69353
2.2	.0134228	3.73097	3.73164	0.000180710	3.68148
2.3	.0142279	3.72066	3.72139	0.000196782	3.66919
2.4	.0146403	3.71020	3.71099	0.000214357	3.65666
2.5	.0152214	3.69958	3.70044	0.000233522	3.64389
2.6	.0159530	3.68879	3.68973	0.00054497	3.63088
2.7	.0166568	3.67782	3.67884	0.000277448	3.611757
2.8	.0173445	3.66668	3.66779	0.00002570	3.60359
2.9	.0181683	3.65534	3.65655	0.00030087	3.59012
3.0	.0189802	3.64581	3.64513	0.00060249	3.57594
3.1	.0198326	3.63208	3.63351	0.000393331	3.56144
3.2	.0207278	3.62013	3.62168	0.000429641	3.54661
3.3	.0216685	3.60795	3.60965	0.00069525	3.53143
3.4	.0226570	3.59555	3.59739	0.000533428	3.51589
3.5	.0235692	3.58290	3.58491	0.000581604	3.49995

TABLE I.- Continued

$\frac{k}{b}$	C	$\frac{SII}{D/b}$	$\frac{SII}{D/b}$	$\frac{S^2C^2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{SII}{D/b}$	$\frac{SII}{D/b}$	$\frac{S^2C^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\Delta}{b} = 0.40$									
3.6	0.0247935	3.56999	3.57219	0.000614718	0.00784412	3.48362	3.46686	0.0852878	3.44966
3.7	0.0259471	3.55662	3.55921	0.0067324	0.01077226	3.42398	3.40966	0.0117896	3.41398
3.8	0.0271628	3.54536	3.5597	0.0073716	0.0117895	3.46028	3.45562	0.0129797	3.45541
3.9	0.0284453	3.52920	3.53246	0.00809134	0.0109937	3.41381	3.41381	0.00887952	3.41381
4.0	0.0297985	3.51554	3.51866	0.0119770	0.0119770	3.39512	3.37598	0.0130556	3.37598
4.1	0.0312277	3.50114	3.50456	0.00975170	0.0107179	3.32028	3.27023	0.0202880	3.27023
4.2	0.0327382	3.48640	3.49014	0.01174202	0.01174202	3.24683	3.24683	0.022065	3.24683
4.3	0.0343360	3.47729	3.47539	0.0192556	0.0213089	3.22280	3.22280	0.0243264	3.22280
4.4	0.0360274	3.45579	3.45877	0.0213089	0.02356102	3.19778	3.19778	0.02667724	3.19778
4.5	0.0378195	3.43988	3.44481	0.02356102	0.02356102	3.08755	3.08755	0.02919195	3.08755
4.6	0.0397201	3.42894	3.42984	0.0157768	0.0185498	3.29274	3.29274	0.02919195	3.29274
4.7	0.0417375	3.40572	3.41266	0.0174202	0.0202880	3.14484	3.14484	0.02919195	3.14484
4.8	0.0438813	3.38941	3.39595	0.0192556	0.0235718	3.11675	3.11675	0.0353557	3.11675
4.9	0.0461616	3.37157	3.37877	0.0213089	0.0360685	3.08755	3.08755	0.0389195	3.08755
5.0	0.0485903	3.35116	3.36110	0.02356102	0.0428916	3.05708	3.05708	0.0428916	3.05708
5.1	0.0511787	3.33415	3.34290	0.0261926	0.0292705	3.17182	3.17182	0.0321530	3.17182
5.2	0.0539423	3.31448	3.31448	0.0290977	0.0321530	3.14484	3.14484	0.0321530	3.14484
5.3	0.0568962	3.29411	3.30481	0.0323718	0.0353557	3.11675	3.11675	0.0353557	3.11675
5.4	0.0600579	3.27299	3.28483	0.0360685	0.0389195	3.08755	3.08755	0.0389195	3.08755
5.5	0.0634471	3.26104	3.26418	0.0402554	0.0428916	3.05708	3.05708	0.0428916	3.05708
5.6	0.0670858	3.22980	3.24280	0.0450051	0.0473261	3.02625	3.02625	0.0473261	3.02625
5.7	0.0709990	3.20440	3.22063	0.0504085	0.0522861	2.99197	2.99197	0.0522861	2.99197
5.8	0.0752147	3.17954	3.19763	0.0565725	0.0578443	2.95712	2.95712	0.0578443	2.95712
5.9	0.0797651	3.15552	3.17371	0.0636247	0.0640856	2.92056	2.92056	0.0640856	2.92056
6.0	0.0846888	3.12823	3.14881	0.0717185	0.0711089	2.88215	2.88215	0.0711089	2.88215
6.1	0.0900216	3.09753	3.12284	0.0810389	0.08790303	2.84172	2.84172	0.08790303	2.84172
6.2	0.0958180	3.06729	3.09571	0.0918108	0.0981385	2.79909	2.79909	0.0981385	2.79909
6.3	0.102132	3.04732	3.06732	0.104309	0.110678	2.75057	2.75057	0.110678	2.75057
6.4	0.109028	3.00544	3.03754	0.118871	0.122834	2.65577	2.65577	0.122834	2.65577
6.5	0.116683	2.96239	3.00624	0.136915	0.147771	2.60195	2.60195	0.147771	2.60195

TABLE I: - Continued

$\frac{dy}{dx}$	$y$	$c$									
2.191988	1.724752	0.202897	2.186988	1.724752	0.202897	2.178287	1.724752	0.202897	2.169588	1.724752	0.202897
2.182857	1.724752	0.202897	2.174159	1.724752	0.202897	2.165461	1.724752	0.202897	2.156764	1.724752	0.202897
2.174458	1.724752	0.202897	2.165764	1.724752	0.202897	2.157071	1.724752	0.202897	2.148375	1.724752	0.202897
2.164158	1.724752	0.202897	2.155481	1.724752	0.202897	2.146784	1.724752	0.202897	2.138086	1.724752	0.202897
2.153858	1.724752	0.202897	2.145197	1.724752	0.202897	2.136521	1.724752	0.202897	2.127824	1.724752	0.202897
2.143558	1.724752	0.202897	2.134931	1.724752	0.202897	2.126234	1.724752	0.202897	2.117537	1.724752	0.202897
2.133258	1.724752	0.202897	2.124626	1.724752	0.202897	2.115931	1.724752	0.202897	2.107234	1.724752	0.202897
2.122958	1.724752	0.202897	2.114629	1.724752	0.202897	2.105535	1.724752	0.202897	2.096838	1.724752	0.202897
2.112658	1.724752	0.202897	2.106132	1.724752	0.202897	2.087941	1.724752	0.202897	2.078644	1.724752	0.202897
2.102358	1.724752	0.202897	2.097944	1.724752	0.202897	2.069748	1.724752	0.202897	2.060451	1.724752	0.202897
2.092058	1.724752	0.202897	2.091354	1.724752	0.202897	2.061154	1.724752	0.202897	2.051857	1.724752	0.202897
2.081758	1.724752	0.202897	2.081157	1.724752	0.202897	2.051561	1.724752	0.202897	2.041264	1.724752	0.202897
2.071458	1.724752	0.202897	2.070864	1.724752	0.202897	2.041064	1.724752	0.202897	2.030767	1.724752	0.202897
2.061158	1.724752	0.202897	2.060571	1.724752	0.202897	2.030571	1.724752	0.202897	2.020274	1.724752	0.202897
2.050858	1.724752	0.202897	2.050271	1.724752	0.202897	2.020074	1.724752	0.202897	2.009778	1.724752	0.202897
2.040558	1.724752	0.202897	2.039991	1.724752	0.202897	2.009575	1.724752	0.202897	1.999258	1.724752	0.202897
2.029258	1.724752	0.202897	2.028391	1.724752	0.202897	1.998931	1.724752	0.202897	1.988614	1.724752	0.202897
2.018958	1.724752	0.202897	2.018391	1.724752	0.202897	1.988287	1.724752	0.202897	1.977969	1.724752	0.202897
2.008658	1.724752	0.202897	2.008091	1.724752	0.202897	1.977552	1.724752	0.202897	1.967234	1.724752	0.202897
1.998358	1.724752	0.202897	1.997791	1.724752	0.202897	1.966931	1.724752	0.202897	1.956564	1.724752	0.202897
1.988058	1.724752	0.202897	1.987491	1.724752	0.202897	1.956294	1.724752	0.202897	1.945977	1.724752	0.202897
1.977758	1.724752	0.202897	1.977191	1.724752	0.202897	1.945797	1.724752	0.202897	1.935401	1.724752	0.202897
1.967458	1.724752	0.202897	1.966891	1.724752	0.202897	1.935004	1.724752	0.202897	1.924608	1.724752	0.202897
1.957158	1.724752	0.202897	1.956591	1.724752	0.202897	1.923721	1.724752	0.202897	1.913325	1.724752	0.202897
1.946858	1.724752	0.202897	1.946251	1.724752	0.202897	1.912534	1.724752	0.202897	1.902138	1.724752	0.202897
1.936558	1.724752	0.202897	1.935951	1.724752	0.202897	1.899917	1.724752	0.202897	1.889521	1.724752	0.202897
1.926258	1.724752	0.202897	1.925651	1.724752	0.202897	1.863873	1.724752	0.202897	1.853477	1.724752	0.202897
1.915958	1.724752	0.202897	1.915351	1.724752	0.202897	1.838115	1.724752	0.202897	1.827719	1.724752	0.202897
1.905658	1.724752	0.202897	1.905051	1.724752	0.202897	1.811858	1.724752	0.202897	1.801462	1.724752	0.202897
1.895358	1.724752	0.202897	1.894751	1.724752	0.202897	1.785621	1.724752	0.202897	1.775225	1.724752	0.202897
1.885058	1.724752	0.202897	1.884451	1.724752	0.202897	1.768488	1.724752	0.202897	1.758092	1.724752	0.202897
1.874758	1.724752	0.202897	1.874151	1.724752	0.202897	1.751521	1.724752	0.202897	1.741125	1.724752	0.202897
1.864458	1.724752	0.202897	1.863851	1.724752	0.202897	1.734858	1.724752	0.202897	1.724462	1.724752	0.202897
1.854158	1.724752	0.202897	1.853551	1.724752	0.202897	1.707055	1.724752	0.202897	1.696658	1.724752	0.202897
1.843858	1.724752	0.202897	1.843251	1.724752	0.202897	1.680452	1.724752	0.202897	1.669956	1.724752	0.202897
1.833558	1.724752	0.202897	1.832951	1.724752	0.202897	1.657653	1.724752	0.202897	1.647257	1.724752	0.202897
1.823258	1.724752	0.202897	1.822651	1.724752	0.202897	1.631354	1.724752	0.202897	1.620958	1.724752	0.202897
1.812958	1.724752	0.202897	1.812351	1.724752	0.202897	1.610055	1.724752	0.202897	1.599659	1.724752	0.202897
1.802658	1.724752	0.202897	1.802051	1.724752	0.202897	1.588756	1.724752	0.202897	1.578360	1.724752	0.202897
1.792358	1.724752	0.202897	1.791751	1.724752	0.202897	1.577457	1.724752	0.202897	1.567061	1.724752	0.202897
1.782058	1.724752	0.202897	1.781451	1.724752	0.202897	1.566158	1.724752	0.202897	1.555762	1.724752	0.202897
1.771758	1.724752	0.202897	1.771151	1.724752	0.202897	1.554863	1.724752	0.202897	1.544466	1.724752	0.202897
1.761458	1.724752	0.202897	1.760851	1.724752	0.202897	1.543564	1.724752	0.202897	1.533169	1.724752	0.202897
1.751158	1.724752	0.202897	1.750551	1.724752	0.202897	1.532271	1.724752	0.202897	1.521874	1.724752	0.202897
1.740858	1.724752	0.202897	1.739251	1.724752	0.202897	1.520982	1.724752	0.202897	1.510585	1.724752	0.202897
1.729558	1.724752	0.202897	1.728951	1.724752	0.202897	1.509713	1.724752	0.202897	1.499316	1.724752	0.202897
1.719258	1.724752	0.202897	1.718651	1.724752	0.202897	1.498358	1.724752	0.202897	1.487961	1.724752	0.202897
1.708958	1.724752	0.202897	1.708351	1.724752	0.202897	1.487061	1.724752	0.202897	1.476664	1.724752	0.202897
1.698658	1.724752	0.202897	1.698051	1.724752	0.202897	1.485764	1.724752	0.202897	1.475367	1.724752	0.202897
1.688358	1.724752	0.202897	1.687751	1.724752	0.202897	1.484467	1.724752	0.202897	1.474070	1.724752	0.202897
1.678058	1.724752	0.202897	1.677451	1.724752	0.202897	1.483170	1.724752	0.202897	1.473773	1.724752	0.202897
1.667758	1.724752	0.202897	1.667151	1.724752	0.202897	1.481873	1.724752	0.202897	1.472476	1.724752	0.202897
1.657458	1.724752	0.202897	1.656851	1.724752	0.202897	1.480576	1.724752	0.202897	1.472179	1.724752	0.202897
1.647158	1.724752	0.202897	1.646651	1.724752	0.202897	1.479279	1.724752	0.202897	1.468882	1.724752	0.202897
1.636858	1.724752	0.202897	1.636251	1.724752	0.202897	1.478082	1.724752	0.202897	1.467585	1.724752	0.202897
1.626558	1.724752	0.202897	1.626051	1.724752	0.202897	1.476785	1.724752	0.202897	1.466288	1.724752	0.202897
1.616258	1.724752	0.202897	1.615851	1.724752	0.202897	1.475488	1.724752	0.202897	1.464991	1.724752	0.202897
1.605958	1.724752	0.202897	1.605551	1.724752	0.202897	1.474191	1.724752	0.202897	1.463694	1.724752	0.202897
1.595658	1.724752	0.202897	1.595251	1.724752	0.202897	1.472894	1.724752	0.202897	1.462397	1.724752	0.202897
1.585358	1.724752	0.202897	1.584951	1.724752	0.202897	1.471597	1.724752	0.202897	1.461000	1.724752	0.202897
1.575058	1.724752	0.202897	1.574651	1.724752	0.202897	1.470299	1.724752	0.202897	1.459613	1.724752	0.202897
1.564758	1.724752	0.202897	1.564351	1.724752	0.202897	1.468992	1.724752	0.202897	1.458216	1.724752	0.202897
1.554458	1.724752	0.202897	1.554051	1.724752	0.202897	1.467695	1.724752	0.202897	1.456829	1.724752	0.202897
1.544158	1.724752	0.202897	1.543751	1.724752	0.202897	1.466398	1.724752	0.202897	1.455432	1.724752	0.202897
1.533858	1.724752	0.202897	1.533451	1.724752	0.202897	1.465091	1.724752	0.202897	1.454035	1.724752	0.202897
1.523558	1.724752	0.202897	1.523151	1.724752	0.202897	1.463784	1.724752	0.202897	1.452638	1.724752	0.202897
1.513258	1.724752	0.202897	1.512851	1.724752	0.202897	1.462477	1.724752	0.202897	1.451241	1.724752	0.202897
1.502958	1.724752	0.202897	1.502551	1.724752	0.202897	1.461170	1.724752	0.202897	1.449844	1.724752	0.202897
1.492658	1.724752	0.202897	1.492251	1.724752	0.202897	1.460863	1.724752	0.202897	1.448447	1.724752	0.202897
1.482358	1.724752	0.202897	1.481951	1.724752	0.202897	1.459556	1.724752	0.202897	1.447050	1.724752	0.202897
1.472058	1.724752	0.202897	1.471651	1.724752	0.202897	1.458249	1.724752	0.202897	1.445653	1.724752	0.202897
1.461758	1.724752	0.202897	1.461351	1.724752	0.202897	1.456942	1.724752	0.202897	1.444056	1.724752	0.202897
1.451458	1.724752	0.202897	1.451051	1.724752	0.202897	1.455635	1.724752	0.202897	1.441969	1.724752	0.202897
1.441158	1.724752	0.202897	1.440751	1.724752	0.202897	1.454328	1.724752	0.202897	1.438472	1.724752	0.202897
1.430858	1.724752	0.202897	1.4304								

TABLE I: - Continued

$\kappa$	$c$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{S_{CO}^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\bar{\chi} = 0.42$						
0	0.00731305	3.74002	0.0000534807	0.0000748156	3.71287	
.1	0.00762921	3.73196	0.0000582052	0.0000810653	3.70348	
.2	0.00795690	3.73259	0.0000633392	0.0000873209	3.69316	
.3	0.00830166	3.71512	0.0000689176	0.0000951219	3.68130	
.4	0.00865907	3.70621	0.0000747625	0.00103012	3.67179	
.5	0.00903171	3.69764	0.0000815681	0.00111542	3.66154	
.6	0.00941968	3.68886	0.0000887305	0.00120763	3.65117	
.7	0.00982139	3.67998	0.0000965186	0.00130733	3.64117	
.8	0.0102464	3.67098	0.000104989	0.00141514	3.63235	
.9	0.0106862	3.66187	0.00011203	0.00153174	3.62339	
1.0	0.0111459	3.65265	0.000124230	0.00165787	3.61339	
1.1	0.0116251	3.64330	0.000135114	0.00179134	3.60144	
1.2	0.0121255	3.63383	0.000147028	0.00194204	3.59020	
1.3	0.0126480	3.62123	0.000159972	0.00210191	3.57886	
1.4	0.0131938	3.61450	0.000174076	0.00216251	3.56453	
1.5	0.0137641	3.60462	0.000189449	0.00221651	3.55558	
1.6	0.0143601	3.59461	0.000206214	0.00266563	3.54372	
1.7	0.0149834	3.58445	0.000224502	0.00298576	3.53553	
1.8	0.0162635	3.57413	0.000244463	0.00312440	3.51911	
1.9	0.0163175	3.56365	0.000262559	0.00338319	3.50644	
2.0	0.0170315	3.55301	0.000290072	0.00366396	3.49351	
2.1	0.01777792	3.54220	0.000316101	0.00396868	3.48022	
2.2	0.0185625	3.53121	0.000344568	0.00429952	3.46685	
2.3	0.0193875	3.52003	0.000372721	0.0046891	3.45320	
2.4	0.0202444	3.50866	0.000409834	0.00504947	3.43907	
2.5	0.0211474	3.49708	0.00047212	0.00547412	3.42666	
2.6	0.0220951	3.48530	0.000488195	0.00593605	3.40996	
2.7	0.0230904	3.47330	0.000533165	0.00632885	3.39191	
2.8	0.0241359	3.46106	0.000582541	0.00698637	3.37970	
2.9	0.0252449	3.44859	0.000636802	0.007630352	3.36371	
3.0	0.0263909	3.43586	0.00069480	0.00823352	3.34752	
3.1	0.0276074	3.42287	0.001227170	0.00894326	3.33092	
3.2	0.0288885	3.40961	0.001834544	0.00971813	3.31377	
3.3	0.0302383	3.39605	0.00251357	0.0105647	3.29637	
3.4	0.0316617	3.38218	0.00302436	0.011903	3.27358	
3.5	0.0331655	3.36800	0.0037170	0.0125031	3.25589	

TABLE I.- Continued

$\frac{\lambda}{b}$	k	c	$\frac{SII}{D/b}$	$\frac{s}{D/b}$	$\frac{s^2 c_2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{\lambda}{b} = 0.44$			$\frac{\lambda}{b} = 0.44$		
							k	c	$\frac{SII}{D/b}$	$\frac{s}{D/b}$	$\frac{s^2 c_2}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.00973525	3.57005	3.57039	0.00009147751	0.00120816	3.53563	3.6	0.0471735	3.15148	3.15851	0.0222005	3.00951
.1	0.0101546	3.56137	3.56174	0.000103117	0.00136814	3.52557	3.7	0.0453347	3.13459	3.11230	0.0242266	2.98666
.2	0.0105916	3.55258	3.55298	0.000112882	0.00146174	3.51535	3.8	0.050386	3.11719	3.1266	0.0261666	2.96300
.3	0.0110470	3.54368	3.54368	0.00012036	0.00152882	3.50497	3.9	0.0575328	3.09295	3.10855	0.028335	2.93855
.4	0.0115217	3.53467	3.53467	0.0001294404	0.00162901	3.49447	4.0	0.0654923	3.08071	3.0994	0.03331003	2.91311
.5	0.0120168	3.52555	3.52506	0.000138250	0.00175538	3.48368	4.1	0.067762	3.04175	3.07282	0.0366662	2.88676
.6	0.0125332	3.51630	3.51685	0.000157081	0.00191282	3.47278	4.2	0.0672012	3.02115	3.07113	0.0406613	2.85938
.7	0.0130720	3.50693	3.50753	0.000176877	0.0021225	3.46168	4.3	0.0678742	2.9980	3.05886	0.0451600	2.83094
.8	0.0135343	3.49608	3.49608	0.000185894	0.0022470	3.45029	4.4	0.0784742	2.99195	3.050215	0.0456000	2.80126
.9	0.01408343	3.48780	3.48780	0.000202246	0.0024126	3.43889	4.5	0.078075	2.97760	3.0559317	0.0501763	2.77036
1.0	0.01462213	3.47803	3.47803	0.000220058	0.00263514	3.42719	4.6	0.0790262	2.95148	2.97305	0.0621514	2.73810
1.1	0.0151748	3.46811	3.46811	0.000239168	0.00288166	3.41526	4.7	0.081584	2.90536	2.95998	0.0669805	2.70458
1.2	0.0157440	3.45805	3.45805	0.000266028	0.00316825	3.40311	4.8	0.0815362	2.90513	2.9803	0.0782096	2.66909
1.3	0.0163816	3.44784	3.44784	0.000282706	0.0032750	3.39073	4.9	0.0939573	2.87871	2.90121	0.0877899	2.63206
1.4	0.0169751	3.43747	3.43747	0.000308866	0.0036211	3.37810	5.0	0.0937868	2.85097	2.87940	0.0987610	2.59325
1.5	0.0183405	3.42694	3.42809	0.000336573	0.00393299	3.36522	5.1	1.05532	2.82177	2.88355	0.111370	2.55244
1.6	0.0194114	3.41623	3.41623	0.000366394	0.00427919	3.35207	5.2	1.12231	2.79096	2.82555	0.125913	2.50938
1.7	0.0198800	3.40525	3.40525	0.000392901	0.0046299	3.33864	5.3	1.12407	2.75835	2.79350	0.142750	2.46396
1.8	0.0205853	3.39428	3.39428	0.000425497	0.0046299	3.32493	5.4	1.12407	2.73275	2.76869	0.162327	1.24159
1.9	0.0217787	3.38302	3.38302	0.000475133	0.0054357	3.31091	5.5	1.136685	2.71560	2.75760	0.185190	1.38794
2.0	0.0224536	3.37156	3.37156	0.00051272	0.0058612	3.29658	5.6	1.145611	2.67572	2.70187	0.212026	1.55125
2.1	0.0237556	3.35289	3.36178	0.000561329	0.00637781	3.28192	5.7	1.15607	2.60527	2.67034	0.243693	1.73770
2.2	0.0248176	3.34800	3.35006	0.00061512	0.0069232	3.26692	5.8	1.16775	2.55973	2.63312	0.281282	1.95125
2.3	0.0259325	3.32588	3.32812	0.000672197	0.00749367	3.25156	5.9	1.18067	2.51044	2.55959	0.302190	2.19209
2.4	0.02683748	3.32352	3.32352	0.00081253	0.0081253	3.25852	6.0	1.194995	2.45679	2.55389	0.308229	2.05590
2.5	0.0283748	3.31091	3.31357	0.000802559	0.00881521	3.21969	6.1	2.11134	2.39805	2.50994	0.445774	2.80829
2.6	0.0296293	3.29804	3.30094	0.000877898	0.00956777	3.20314	6.2	2.229313	2.33334	2.46288	0.525982	3.19801
2.7	0.0309216	3.28490	3.28806	0.000961080	0.0103801	3.18616	6.3	2.250923	2.26152	2.41222	0.625117	3.63774
2.8	0.0321260	3.27147	3.27147	0.00105445	0.011268	3.16872	6.4	2.27385	2.18116	2.25777	0.749034	4.16329
2.9	0.0329374	3.25773	3.26118	0.00115175	0.012214	3.15080	6.5	2.300986	2.09044	2.29885	0.905927	4.78674
3.0	0.0335309	3.24367	3.24777	0.00126244	0.01333165	3.13237	6.6	2.33295	1.98687	2.31248	1.10753	5.2879
3.1	0.0372122	3.22927	3.23275	0.00138475	0.014805	3.11341	6.7	2.37027	1.86714	2.16321	1.37105	6.41940
3.2	0.0383876	3.21452	3.21941	0.00152002	0.01575165	3.09389	6.8	2.41594	1.76868	2.0822	1.72254	7.12148
3.3	0.0408637	3.19248	3.20473	0.00166984	0.0171958	3.07198	6.9	2.46932	1.59662	2.00021	2.20273	8.06174
3.4	0.0423479	3.18385	3.18597	0.00183592	0.0185792	3.05303	7.0	2.536482	1.35612	2.04357	2.882617	8.882617
3.5	0.0449483	3.16789	3.17431	0.00202055	0.0203574	3.03163	7.1	2.53781	1.90417	2.04357	2.88676	1.04357

TABLE I. - Continued

$\kappa$	$c$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{S}{D/b}$
$\frac{\lambda}{b} = 0.46$							
0	0.0126079 • 0.0131474	3.11198 3.140580	3.14542 3.16339	0.000158960 0.000128803	0.00185628 0.00200934	3.27236 3.36160	0.0622808 0.0655716
1	0.0162201 • 0.0169173	3.39661 3.38729	3.37058 3.36859	0.000178918 0.000204796	0.00216997 0.00222868	3.25066 3.23953	0.0689612 0.0765703
2	0.0176455 • 0.0184064	3.35524 3.35853	3.37847 3.38655	0.000155244 0.000211876	0.00274545 0.00274545	3.2820 3.31667	0.0765703 0.080414
3	0.0192017 • 0.0192017	3.31816 3.31816	3.31939 3.31939	0.000263961 0.000286195	0.00296916 0.00321110	3.26942 3.29296	0.087772 0.090285
4	0.0200333 • 0.0209032	3.29701 3.28616	3.29849 3.28773	0.000436922 0.000475826	0.00403322 0.00475826	3.28076 3.28076	0.095362 0.100948
5	0.0218124 • 0.0227664	3.263745 3.263745	3.27513 3.26391	0.000568795 0.000564752	0.0056540 0.00602315	3.25565 3.18814	0.107008 0.1123565
6	0.0237645 • 0.0259067	3.250502 3.24084	3.25148 3.25130	0.000615533 0.000732014	0.00651973 0.00764391	3.17374 3.15900	0.123270 0.12950
7	0.0282633 • 0.0295303	3.21689 3.20456	3.21305 3.20376	0.001407224 0.000872057	0.008271971 0.00897079	3.12947 3.11265	0.126078 0.126078
8	0.0322602 • 0.0308612	3.17915 3.19198	3.1824 3.15502	0.000732014 0.000652144	0.009722611 0.010504011	3.13927 3.13927	0.132970 0.132970
9	0.0372116 • 0.0352800	3.16601 3.152800	3.16961 3.15259	0.001273010 0.001269989	0.01271998 0.01269951	3.10515 3.10515	0.142663 0.142663
10	0.0427645 • 0.0369107	3.13514 3.13886	3.13514 3.13886	0.001362010 0.001362010	0.01345969 0.01345969	3.02712 3.02712	0.142876 0.142876
11	0.04818103 • 0.05259067	3.252108 3.24084	3.25148 3.25130	0.000615533 0.000732014	0.00651973 0.00764391	3.09642 3.09778	0.146067 0.146067
12	0.05259067 • 0.0552800	3.22898 3.21689	3.23135 3.21689	0.000732014 0.000652144	0.00764391 0.008271971	3.07978 3.07978	0.146067 0.146067
13	0.0552800 • 0.05695093	3.1886 3.06497	3.1886 3.07162	0.000652144 0.001492221	0.008271971 0.01461142	3.08959 3.08959	0.146067 0.146067
14	0.0592430 • 0.0592430	3.12948 3.09503	3.12948 3.06497	0.000652144 0.001492221	0.009722611 0.0158749	3.06627 3.06627	0.146067 0.146067
15	0.0636959 • 0.0636959	3.05627 3.05627	3.05627 3.05627	0.000652144 0.001492221	0.0125268 0.0179386	3.02052 3.02052	0.146067 0.146067
16	0.0685093 • 0.0685093	3.01022 3.08052	3.01022 3.08052	0.000652144 0.001492221	0.0169665 0.0204088	3.00778 3.00778	0.146067 0.146067
17	0.0737400 • 0.0737400	3.02540 3.02540	3.02540 3.02540	0.000652144 0.001492221	0.0187562 0.0215902	3.00778 3.00778	0.146067 0.146067
18	0.0787683 • 0.0511604	3.04900 3.03257	3.04900 3.03257	0.000652144 0.001492221	0.022156 0.0237835	2.98722 2.88497	0.146067 0.146067
19	0.083860 • 0.0592430	3.09822 2.98023	3.09822 2.98023	0.000652144 0.001492221	0.0241973 0.0261759	2.88198 2.87630	0.146067 0.146067
20	0.0887683 • 0.0350974	3.031926 2.88354	3.031926 2.88354	0.000652144 0.001492221	0.0317938 0.0317938	2.00778 2.00778	0.146067 0.146067

$\kappa$	$c$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{S}{D/b}$
$\frac{\lambda}{b} = 0.46$							
3	0.0622808 • 0.0655716	3.27236 3.26942	3.25066 3.24084	0.0622808 0.0655716	0.0622808 0.0655716	2.97218 2.95511	0.03587890 0.03587890
4	0.0669612 • 0.0765703	3.23953 3.23135	3.23708 3.23135	0.0669612 0.0765703	0.0669612 0.0765703	2.90188 2.91727	0.0474216 0.0474216
5	0.0765703 • 0.080414	3.23820 3.22056	3.23820 3.22056	0.0765703 0.080414	0.0765703 0.080414	2.88041 2.89742	0.05052565 0.05052565
6	0.0852867 • 0.085567	3.21667 3.18814	3.21667 3.18814	0.0852867 0.085567	0.0852867 0.085567	2.87691 2.85567	0.0532170 0.0532170
7	0.0901285 • 0.083366	3.17277 3.14395	3.17277 3.14395	0.0901285 0.083366	0.0901285 0.083366	2.81064 2.83366	0.0622559 0.0622559
8	0.095362 • 0.0908900	3.16249 3.13375	3.16249 3.13375	0.095362 0.0908900	0.095362 0.0908900	2.78527 2.78527	0.0718096 0.0718096
9	0.100948 • 0.1016905	3.15258 3.12395	3.15258 3.12395	0.100948 0.1016905	0.100948 0.1016905	2.75869 2.78709	0.071587 0.071587
10	0.107008 • 0.1123565	3.14239 3.11265	3.14239 3.11265	0.107008 0.1123565	0.107008 0.1123565	2.73076 2.76239	0.083788 0.083788
11	0.1123565 • 0.1160507	3.131565 3.10270	3.131565 3.10270	0.1123565 0.1160507	0.1123565 0.1160507	2.70136 2.73665	0.096900 0.096900
12	0.1160507 • 0.124974	3.121565 3.09235	3.121565 3.09235	0.1160507 0.124974	0.1160507 0.124974	2.67078 2.70978	0.105697 0.105697
13	0.120678 • 0.12876	3.11265 3.08323	3.11265 3.08323	0.120678 0.12876	0.120678 0.12876	2.64709 2.67353	0.120461 0.120461
14	0.124663 • 0.132876	3.10270 3.07327	3.10270 3.07327	0.124663 0.132876	0.124663 0.132876	2.63746 2.66258	0.120461 0.120461
15	0.12869 • 0.136815	3.09270 3.06321	3.09270 3.06321	0.12869 0.136815	0.12869 0.136815	2.6168 2.65225	0.118897 0.118897
16	0.13269 • 0.142798	3.08270 3.05327	3.08270 3.05327	0.13269 0.142798	0.13269 0.142798	2.58168 2.624571	0.117885 0.117885
17	0.13665 • 0.146067	3.07270 3.04327	3.07270 3.04327	0.13665 0.146067	0.13665 0.146067	2.55269 2.58731	0.116607 0.116607
18	0.14065 • 0.151551	3.06270 3.03327	3.06270 3.03327	0.14065 0.151551	0.14065 0.151551	2.52569 2.56731	0.115411 0.115411
19	0.14465 • 0.15626	3.05270 3.02320	3.05270 3.02320	0.14465 0.15626	0.14465 0.15626	2.50457 2.54797	0.114324 0.114324
20	0.14865 • 0.161521	3.04270 3.01320	3.04270 3.01320	0.14865 0.161521	0.14865 0.161521	2.4781 2.51797	0.113224 0.113224
21	0.15265 • 0.167359	3.03270 3.00320	3.03270 3.00320	0.15265 0.167359	0.15265 0.167359	2.45709 2.49573	0.112122 0.112122
22	0.15665 • 0.173207	3.02270 2.99320	3.02270 2.99320	0.15665 0.173207	0.15665 0.173207	2.43690 2.47491	0.111022 0.111022
23	0.16065 • 0.179121	3.01270 2.98375	3.01270 2.98375	0.16065 0.179121	0.16065 0.179121	2.41590 2.45371	0.110021 0.110021
24	0.16465 • 0.185044	3.00270 2.97420	3.00270 2.97420	0.16465 0.185044	0.16465 0.185044	2.39481 2.43213	0.109020 0.109020
25	0.16865 • 0.191044	2.99270 2.96320	2.99270 2.96320	0.16865 0.191044	0.16865 0.191044	2.37386 2.41257	0.108019 0.108019
26	0.17265 • 0.197181	2.98270 2.95320	2.98270 2.95320	0.17265 0.197181	0.17265 0.197181	2.35386 2.39254	0.107018 0.107018
27	0.17665 • 0.203257	2.97270 2.94320	2.97270 2.94320	0.17665 0.197181	0.17665 0.197181	2.33313 2.37181	0.106017 0.106017
28	0.18065 • 0.209197	2.96270 2.93320	2.96270 2.93320	0.18065 0.209197	0.18065 0.209197	2.31320 2.35197	0.105016 0.105016
29	0.18465 • 0.215052	2.95270 2.92320	2.95270 2.92320	0.18465 0.215052	0.18465 0.215052	2.29281 2.33052	0.104014 0.104014
30	0.18865 • 0.22156	2.94270 2.91320	2.94270 2.91320	0.18865 0.22156	0.18865 0.22156	2.27281 2.31052	0.103013 0.103013
31	0.19265 • 0.227835	2.93270 2.89320	2.93270 2.89320	0.19265 0.227835	0.19265 0.227835	2.25281 2.28052	0.102012 0.102012
32	0.19665 • 0.2341973	2.92270 2.88320	2.92270 2.88320	0.19665 0.2341973	0.19665 0.2341973	2.23281 2.26052	0.101011 0.101011
33	0.20065 • 0.240762	2.91270 2.87320	2.91270 2.87320	0.20065 0.240762	0.20065 0.240762	2.21281 2.24052	0.100010 0.100010
34	0.20465 • 0.247144	2.90270 2.86320	2.90270 2.86320	0.20465 0.247144	0.20465 0.247144	2.19281 2.21957	0.099009 0.099009
35	0.20865 • 0.253579	2.89270 2.85320	2.89270 2.85320	0.20865 0.253579	0.20865 0.253579	2.17281 2.19135	0.098008 0.098008

TABLE I.- Continued

$\lambda$	$c$	$\frac{S^{II}}{D/b}$	$-\frac{s}{D/b}$	$\frac{S^{IV}}{D/b}$	$\frac{S^2c^2}{(D/b)^2}$	$\frac{S^4}{D/b}$
0	0.0156406	3.27266	3.27319	0.0002271102	0.002712289	3.22131
1	0.0162023	3.26319	3.26409	0.000276235	0.00294509	3.20984
2	0.0173293	3.25359	3.25457	0.000303056	0.0031081	3.19817
3	0.0180692	3.24385	3.24491	0.000326495	0.00345760	3.18628
4	0.0188444	3.23396	3.23511	0.000356968	0.0037538	3.17476
5	0.0196477	3.22392	3.22516	0.000386031	0.0041538	3.16180
6	0.0201899	3.21372	3.21507	0.000419835	0.0046920	3.14969
7	0.0213698	3.20336	3.20482	0.000456970	0.0049041	3.13634
8	0.0228597	3.19283	3.19411	0.000496826	0.0050679	3.12321
9	0.0232517	3.18212	3.18384	0.000536234	0.0053802	3.10281
10	0.0242578	3.17123	3.17309	0.000569839	0.0056217	3.09612
11	0.0253109	3.16014	3.16217	0.000606339	0.00610595	3.08213
12	0.0264132	3.15102	3.15156	0.000647672	0.00666729	3.06782
13	0.0275685	3.13975	3.13736	0.000676002	0.00719232	3.05219
14	0.0287720	3.12565	3.12823	0.000708229	0.00810498	3.03822
15	0.0300482	3.11653	3.11372	0.000902896	0.00879599	3.02288
16	0.0315797	3.10154	3.10460	0.000984687	0.00919093	3.00718
17	0.0327773	3.08918	3.09241	0.00174735	0.0111253	2.99108
18	0.0342452	3.07643	3.08004	0.00174735	0.0111253	2.97457
19	0.0357877	3.06347	3.06740	0.00128076	0.0120506	2.95762
20	0.0374096	3.05022	3.05450	0.00139948	0.0160571	2.94023
21	0.0391611	3.03667	3.04133	0.00153007	0.011526	2.92236
22	0.0409188	3.02280	3.02787	0.00167388	0.013660	2.90392
23	0.0428847	3.01745	3.02120	0.00182324	0.012667	2.88650
24	0.0448089	3.00860	3.01212	0.00200720	0.0188655	2.86565
25	0.0469079	2.99404	3.00006	0.00220035	0.0196111	2.84562
26	0.0491318	2.96377	2.97094	0.00241394	0.0213066	2.82197
27	0.0518847	2.95585	2.96181	0.00265045	0.0251669	2.80367
28	0.0539897	2.94057	2.94512	0.00291263	0.0291263	2.78699
29	0.0566033	2.92151	2.92510	0.00320371	0.0320371	2.76903
30	0.0593313	2.89791	2.90820	0.00352732	0.03698328	2.73378
31	0.0623511	2.88022	2.89116	0.00388766	0.0325029	2.71117
32	0.0658945	2.86191	2.87241	0.00422865	0.0362369	2.68999
33	0.0698897	2.84298	2.85952	0.00473484	0.0382645	2.66688
34	0.0722947	2.82338	2.83925	0.00517345	0.0425093	2.64278
35	0.0761891	2.80307	2.81963	0.00580432	0.0461398	2.60663

TABLE I.- Continued

$\lambda$	$c$	$\frac{S^{II}}{D/b}$	$-\frac{s}{D/b}$	$\frac{S^{IV}}{D/b}$	$\frac{S^2c^2}{(D/b)^2}$	$\frac{S^4}{D/b}$
3.6	0.0802329	2.78198	2.77993	0.000001	0.00043731	0.0501688
3.7	0.0845576	2.76006	2.75722	0.00715003	0.052557	2.57525
3.8	0.0914492	2.73411	2.73767	0.0152434	0.0656360	2.53309
3.9	0.0941694	2.68851	2.71538	0.00889615	0.0729674	2.44526
4.0	0.094225	2.66244	2.69225	0.0110698	0.0802357	2.40899
4.1	0.105213	2.63209	2.66819	0.0125084	0.0893388	2.37097
4.2	0.11363	2.61315	2.64315	0.0139402	0.0973900	2.33108
4.3	0.118069	2.60331	2.61705	0.0156989	0.10521	2.29895
4.4	0.125295	2.57596	2.58978	0.017255	0.118885	2.24995
4.5	0.133137	2.54388	2.54918	0.0170132	0.20177	2.19298
4.6	0.141669	2.50986	2.56126	0.0200701	0.23661	2.16981
4.7	0.150977	2.47367	2.53137	0.0227941	0.24661	2.14661
4.8	0.161165	2.43505	2.49998	0.0249735	0.25322	2.09108
4.9	0.172347	2.39368	2.46695	0.0269705	0.26177	2.01778
5.0	0.184671	2.34918	2.43212	0.02861032	0.27023	1.98228
5.1	0.198304	2.30110	2.39530	0.0293245	0.226622	1.92020
5.2	0.21525	2.26891	2.32627	0.0303622	0.28196	1.88221
5.3	0.230367	2.19194	2.31479	0.0306690	0.281356	1.83546
5.4	0.249354	2.12939	2.27057	0.0317172	0.320255	1.76040
5.5	0.270795	2.06026	2.22329	0.0333301	0.362172	1.62123
5.6	0.295174	1.98326	2.17255	0.034215	0.41241	1.53327
5.7	0.323105	1.88280	2.11790	0.0351397	0.46227	1.43360
5.8	0.353089	1.78641	2.08745	0.0361397	0.51227	1.38540
5.9	0.393082	1.68638	1.98457	0.037140	0.57410	1.32122
6.0	0.437613	1.55591	1.92455	0.0381439	0.709236	1.20740
6.1	0.490958	1.40215	1.84747	0.0392073	0.822703	1.160139
6.2	0.555936	1.31774	1.76245	0.0396055	0.96030	1.08231
6.3	0.636704	1.23277	1.66793	0.0405392	1.0392	0.98261
6.4	0.726464	1.14761	1.56728	0.0415399	1.12779	0.86550
6.5	0.826407	1.044239	1.47528	0.042557	1.20513	0.75951
6.6	0.926457	0.94239	1.37528	0.043553	1.26662	0.65501
6.7	1.026427	0.84239	1.28528	0.044557	1.34812	0.56501
6.8	1.126417	0.74239	1.19513	0.045557	1.42587	0.465162
6.9	1.226407	0.64239	1.09513	0.046553	1.50513	0.36794
7.0	1.326403	0.54239	0.99513	0.047553	1.582820	0.26663

TABLE I.- Continued

TABLE I.- Continued

$k$	$c$	$\frac{SII}{\bar{D}/b}$	$\frac{S}{\bar{D}/b}$	$\frac{s^2c^2}{(\bar{D}/b)^2}$	$\frac{sIV}{\bar{D}/b}$	$k$	$c$	$\frac{SII}{\bar{D}/b}$	$\frac{S}{\bar{D}/b}$	$\frac{s^2c^2}{(\bar{D}/b)^2}$	$\frac{sIV}{\bar{D}/b}$
$\frac{b}{\bar{b}} = 0.50$											
0	0.019734	3.1418	5.1431	0.00038943	0.0038472	3.0810	0.101128	2.61092	2.63789	0.0102268	0.0711632
.1	0.0205703	3.15200	5.15352	0.000423139	0.0041526	3.08687	0.106787	2.58588	2.61571	0.0114034	0.0780213
.2	0.0214432	3.12200	5.12343	0.000459812	0.00448565	3.0645	0.112871	2.55965	2.59268	0.0856371	2.30004
.3	0.0223545	3.11183	5.11339	0.000483924	0.00483302	3.05379	0.1164925	2.52312	2.56975	0.0941095	2.26198
.4	0.0233062	3.10151	5.10319	0.000543178	0.00523069	3.05087	0.126499	2.50314	2.54385	0.1060020	2.222206
.5	0.0243004	3.09101	5.09285	0.000590511	0.00564861	3.01768					
.6	0.0253396	3.08033	5.08231	0.000642095	0.00610031	3.00421	0.134152	2.47259	2.51790	0.114096	2.18012
.7	0.0264261	3.06947	5.07161	0.000693339	0.00658870	2.99044	0.142451	2.44026	2.49080	0.0202923	2.13599
.8	0.0276626	3.05841	5.06074	0.000756968	0.00711695	2.97538	0.151473	2.40593	2.45248	0.0229442	2.08948
.9	0.0287520	3.04716	5.04968	0.000788676	0.00768853	2.96199	0.161309	2.36951	2.43281	0.0260207	2.04038
1.0	0.0299772	3.03569	5.03842	0.000893831	0.00830726	2.94728	0.172065	2.33057	2.40168	0.0296664	2.00071
1.1	0.0313015	3.02400	5.02697	0.000979784	0.00977731	2.93222	0.186857	2.288885	2.36894	0.0338063	1.93337
1.2	0.0326584	3.01209	5.01530	0.00106122	0.00970327	2.91680	0.19457	2.24397	2.33444	0.0387526	1.87489
1.3	0.0341016	2.99993	5.00342	0.00116292	0.0104902	2.90100	0.19800	2.19548	2.29800	0.0446126	1.81262
1.4	0.0356032	2.98752	5.00131	0.00126773	0.0115436	2.88481	0.20175	2.14283	2.25442	0.0516011	1.74617
1.5	0.0371835	2.97484	5.00138261	0.01262697	0.0128260	2.86820	0.244941	2.08536	2.21846	0.0599961	2.05275
1.6	0.0388412	2.96190	5.002637	0.00150864	0.0132751	2.85116	0.5.1	2.64882	2.02227	2.17486	0.0701625
1.7	0.0405683	2.94866	5.0025352	0.00164700	0.0143673	2.83366	0.5.2	2.87377	1.95253	2.12830	0.0825554
1.8	0.0424152	2.93511	5.0019400	0.00179905	0.0155545	2.81568	0.5.3	3.12923	1.87490	2.07842	0.097905
1.9	0.0443430	2.92224	5.002700	0.00196630	0.0184849	2.79721	0.5.4	3.21553	1.87775	2.02479	0.117089
2.0	0.0463730	2.90703	5.01330	0.00215046	0.0182516	2.77820	0.5.5	3.58891	1.68899	2.06630	0.141294
2.1	0.0485122	2.889246	5.00235343	0.00255740	0.019783	2.75864	0.5.6	4.15220	1.57586	1.90415	0.172407
2.2	0.0507681	2.87751	5.0023495	0.00282483	0.024452	2.73849	0.5.7	4.61600	1.44466	1.83582	0.213074
2.3	0.0531491	2.86216	5.00207	0.0028260	0.023272	2.71772	0.5.8	5.17046	1.29024	1.76103	0.267357
2.4	0.0566442	2.84653	5.002593	0.00309155	0.02260	2.69630	0.5.9	5.84420	1.10535	1.67971	0.341547
2.5	0.0583231	2.83015	5.00340158	0.0247452	0.021452	2.67419	0.6.0	6.67926	0.879290	1.58752	0.446125
2.6	0.0611367	2.81344	5.0028400	0.00373770	0.029808	2.65135	6.1	7.73997	1.90415	1.90415	0.655115
2.7	0.0641170	2.79621	5.0020776	0.00411099	0.0324089	2.62773	6.2	9.13013	1.282287	1.57150	0.835593
2.8	0.0672768	2.77844	5.0025618	0.00553592	0.0452618	2.60330	6.3	1.10286	-0.2685987	1.21629	1.87573
2.9	0.0706308	2.76007	5.0027391	0.00498870	0.0383860	2.57799	6.4	1.37719	-0.980329	1.09351	1.89666
3.0	0.0741946	2.74108	5.0025565	0.00550484	0.0418199	2.55176	6.5	1.80785	-2.08944	0.921170	1.26825
3.1	0.0779861	2.72141	5.0023807	0.00608183	0.04556955	2.52454	6.6	2.58004	-4.06675	0.7189358	1.32255
3.2	0.0820247	2.70102	5.00297517	0.00672805	0.0497517	2.49626	6.7	4.36305	-8.61288	0.477533	1.56799
3.3	0.0863323	2.67984	5.0026996	0.00745326	0.0543328	2.46687	6.8	12.8640	-30.2305	1.185793	1.65481
3.4	0.090332	2.65781	5.0026797	0.00826885	0.05935889	2.43627	6.9	-14.9213	40.3610	1.182097	2.22646
3.5	0.0958549	2.63486	5.00265930	0.00918815	0.0649773	2.40439	7.0	-4.87128	14.8063	0.651416	23.7294

Second mode of buckling

TABLE I.- Continued

TABLE I.- Continued

$\frac{\lambda}{b}$	$k$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s_{III}}{D/b}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{V}}{D/b}$	$\frac{s_{VI}}{D/b}$	$\frac{s_{VII}}{D/b}$	$\frac{s_{VIII}}{D/b}$
$\frac{\lambda}{b} = 0.52$									
0	0.0229803	3.0214	3.02288	0.000572054	0.00525473	2.95036	3.6	0.124991	2.44720
.1	0.0259899	3.01091	3.01279	0.000572054	0.005668350	2.93750	3.7	1.132248	2.41862
.2	0.0280440	3.00051	3.00255	0.000673260	0.006161469	2.92135	3.8	1.00087	2.38819
.3	0.0271449	2.98993	2.98211	0.000736878	0.00596692	2.91092	3.9	1.148572	2.56665
.4	0.0262953	2.97917	2.98156	0.00080622	0.0071729	2.89720	4.0	1.577781	2.32291
.5	0.0254977	2.96822	2.97081	0.00087014	0.00767935	2.88317	4.1	1.167803	2.28705
.6	0.0375551	2.95707	2.95987	0.000945878	0.00828666	2.86881	4.2	1.178739	2.21882
.7	0.0364707	2.94570	2.96747	0.00102553	0.00894111	2.8517	4.3	1.190711	2.20790
.8	0.0354777	2.93412	2.93711	0.0011875	0.00925398	2.83169	4.4	1.203863	2.16394
.9	0.0348897	2.92232	2.92588	0.00121726	0.010209	2.82376	4.5	1.218365	2.11653
1.0	0.0340006	2.91027	2.91413	0.00132500	0.0112521	2.80805	4.6	1.234421	2.06515
1.1	0.0298184	2.89797	2.90216	0.001411282	0.0121522	2.79192	4.7	1.252279	2.00920
1.2	0.0294548	2.88951	2.89896	0.00151719	0.0131273	2.77538	4.8	1.27221	1.97791
1.3	0.029201	2.87792	2.88778	0.00167307	0.014183	2.7581	4.9	1.29680	1.98037
1.4	0.0281339	2.86596	2.87681	0.00186798	0.01525798	2.74666	5.0	1.320064	1.80532
1.5	0.0271139	2.85185	2.85693	0.00205197	0.01625569	2.72706	5.1	1.34421	1.70148
1.6	0.0271666	2.83229	2.83861	0.00222169	0.0179259	2.70478	5.2	1.368982	1.65747
1.7	0.0262949	2.81821	2.82507	0.00242699	0.0193938	2.68175	5.3	1.402096	1.60764
1.8	0.0253557	2.80377	2.81124	0.00265278	0.0209600	2.66326	5.4	1.457766	1.59507
1.9	0.0253867	2.78896	2.79708	0.00276768	0.0227688	2.64336	5.5	1.51305	1.2994
2.0	0.0253867	2.77775	2.78259	0.00327946	0.0265596	2.62559	5.6	1.60769	1.27161
2.1	0.0290144	2.75811	2.76775	0.003418270	0.02666791	2.60108	5.7	1.689375	1.22705
2.2	0.0271899	2.72203	2.75254	0.00386800	0.0313808	2.58269	5.8	1.74271	1.1929
2.3	0.0267247	2.72747	2.73694	0.00386922	0.0313808	2.55976	5.9	1.79507	1.19507
2.4	0.0267247	2.73694	2.74081	0.004018	0.0324618	2.53376	6.0	1.05916	1.12149
2.5	0.0271139	2.72775	2.77775	0.0042180	0.0346938	2.51214	6.1	1.248982	1.12788
2.6	0.02746057	2.67261	2.68757	0.005566602	0.0402056	2.48706	6.2	1.363735	1.09767
2.7	0.0283077	2.65581	2.67018	0.00613210	0.043210	2.46108	6.3	1.42731	1.06072
2.8	0.0282419	2.63333	2.65227	0.00676373	0.046210	2.43476	6.4	1.48208	1.03083
2.9	0.0284780	2.63382	2.65327	0.00726980	0.049210	2.40768	6.5	1.540255	1.01648
3.0	0.0288029	2.63280	2.65381	0.0076102	0.052410	2.38018	6.6	1.602332	1.00591
3.1	0.0285158	2.61740	2.59514	0.00914813	0.056102	2.34692	6.7	1.679003	1.00164
3.2	0.0281669	2.61699	2.59538	0.012718	0.061202	2.31562	6.8	1.732943	1.00083
3.3	0.0282598	2.61169	2.595203	0.0139850	0.0880703	2.28288	6.9	2.024647	1.00047
3.4	0.0282598	2.59538	2.595438	0.0139850	0.0880703	2.21271	7.0	2.02647	-0.0730170

$\frac{\lambda}{b}$	$k$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s_{III}}{D/b}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{V}}{D/b}$	$\frac{s_{VI}}{D/b}$	$\frac{s_{VII}}{D/b}$	$\frac{s_{VIII}}{D/b}$
$\frac{\lambda}{b} = 0.52$									
0	0.0229803	3.0214	3.02288	0.000572054	0.00525473	2.95036	3.6	0.124991	2.44720
.1	0.0259899	3.01091	3.01279	0.000572054	0.005668350	2.93750	3.7	1.132248	2.41862
.2	0.0280440	3.00051	3.00255	0.000673260	0.006161469	2.92135	3.8	1.00087	2.38819
.3	0.0271449	2.98993	2.98211	0.000736878	0.00596692	2.91092	3.9	1.148572	2.56665
.4	0.0262953	2.97917	2.98156	0.00080622	0.0071729	2.89720	4.0	1.577781	2.32291
.5	0.0254977	2.96822	2.97081	0.00087014	0.00767935	2.88317	4.1	1.167803	2.28705
.6	0.0375551	2.95707	2.95987	0.000945878	0.00828666	2.86881	4.2	1.178739	2.21882
.7	0.0364707	2.94570	2.96747	0.00102553	0.00894111	2.8517	4.3	1.190711	2.20790
.8	0.0354777	2.93412	2.93711	0.0011875	0.00925398	2.83169	4.4	1.203863	2.16394
.9	0.0348897	2.92232	2.92588	0.00121726	0.010209	2.82376	4.5	1.218365	2.11653
1.0	0.0340006	2.91027	2.91413	0.00132500	0.0112521	2.80805	4.6	1.234421	2.06515
1.1	0.0298184	2.89797	2.90216	0.001411282	0.0121522	2.79192	4.7	1.252279	2.00920
1.2	0.0294548	2.88951	2.89896	0.00151719	0.0131273	2.77538	4.8	1.27221	1.97791
1.3	0.029201	2.87792	2.88778	0.00167307	0.014183	2.7581	4.9	1.29680	1.98037
1.4	0.0281339	2.86596	2.87681	0.00186798	0.01525798	2.74666	5.0	1.320064	1.80532
1.5	0.0271139	2.85185	2.85693	0.00205197	0.01625569	2.72706	5.1	1.34421	1.70148
1.6	0.0271666	2.83229	2.83861	0.00222169	0.0179259	2.70478	5.2	1.368982	1.65747
1.7	0.0262949	2.81821	2.82507	0.00242699	0.0193938	2.68175	5.3	1.402096	1.60764
1.8	0.0253557	2.80377	2.81124	0.00265278	0.0209600	2.66326	5.4	1.457766	1.59507
1.9	0.0253867	2.78896	2.79708	0.00276768	0.0227688	2.64336	5.5	1.51305	1.2994
2.0	0.0253867	2.77775	2.78259	0.00327946	0.0265596	2.62559	5.6	1.60769	1.27161
2.1	0.0290144	2.75811	2.76775	0.003418270	0.02666791	2.60108	5.7	1.689375	1.22705
2.2	0.0271899	2.72203	2.75254	0.00386800	0.0313808	2.58269	5.8	1.74271	1.1929
2.3	0.0267247	2.72747	2.73694	0.00386922	0.0313808	2.55976	5.9	1.809105	1.19507
2.4	0.0267247	2.73694	2.74081	0.00401808	0.0324618	2.53376	6.0	1.05916	1.20477
2.5	0.0271139	2.72775	2.77775	0.00421808	0.0346938	2.51214	6.1	1.248982	1.12788
2.6	0.02746057	2.67261	2.68757	0.005566602	0.0402056	2.48706	6.2	1.368982	1.09767
2.7	0.0283077	2.65581	2.67018	0.00613210	0.043210	2.46108	6.3	1.42731	1.06072
2.8	0.0282419	2.63333	2.65227	0.00676373	0.046210	2.43476	6.4	1.48208	1.03083
2.9	0.0284780	2.63382	2.65327	0.00726980	0.049210	2.40768	6.5	1.540255	1.00591
3.0	0.0288029	2.63280	2.65381	0.0076102	0.052410	2.38018	6.6	1.602332	1.00164
3.1	0.0285158	2.61740	2.59514	0.00914813	0.056102	2.34692	6.7	1.679003	1.00047
3.2	0.0281669	2.61699	2.59538	0.012718	0.061202	2.31562	6.8	1.732943	1.00047
3.3	0.0282598	2.61169	2.595203	0.0139850	0.0880703	2.28288	6.9	2.024647	1.00047
3.4	0.0282598	2.59538	2.595438	0.0139850	0.0880703	2.21271	7.0	2.02647	-0.0730170

TABLE I.—Continued

$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$	$\Delta = 0.54$
$x$	$c$	$\frac{S_{II}}{D/b}$	$\frac{s}{D/b}$	$0^2$	$\frac{g_{02}}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s}{D/b}$
0	0.0256647	2.90943	2.91182	0.000821665	0.006966666	2.82356	2.82356
.1	0.298627	2.89853	2.90141	0.000891779	0.00750718	2.81477	2.81477
.2	0.598604	2.88604	2.89089	0.000988080	0.00809017	2.80989	2.80989
.3	0.924213	2.85705	2.88008	0.01050114	0.00871908	2.78670	2.78670
.4	0.327880	2.85586	2.86914	0.0014163	0.00939780	2.77229	2.77229
.5	0.952172	2.85446	2.85800	0.00124025	0.0101306	2.75735	2.75735
.6	0.3567125	2.844283	2.84667	0.00134781	0.0109220	2.74216	2.74216
.7	0.382778	2.83097	2.83512	0.00146519	0.0117771	2.72260	2.72260
.8	0.299173	2.81886	2.82336	0.00157339	0.0127015	2.70666	2.70666
.9	0.416352	2.80650	2.81138	0.00173349	0.0137012	2.69232	2.69232
1.0	0.434364	2.79388	2.79916	0.00188672	0.0147830	2.67757	2.67757
1.1	0.453260	2.78097	2.78669	0.00205445	0.0159541	2.66338	2.66338
1.2	0.473096	2.75776	2.77397	0.00223820	0.0172227	2.64273	2.64273
1.3	0.493092	2.75424	2.76098	0.00243967	0.0185977	2.62661	2.62661
1.4	0.515829	2.74040	2.74771	0.00262079	0.0206868	2.60986	2.60986
1.5	0.538861	2.72621	2.73415	0.00290371	0.0217069	2.5882	2.5882
1.6	0.563102	2.71165	2.72028	0.00317085	0.02346430	2.55710	2.55710
1.7	0.586338	2.69671	2.70609	0.00346494	0.02537435	2.54680	2.54680
1.8	0.615555	2.68136	2.69156	0.00378908	0.0274499	2.52588	2.52588
1.9	0.643953	2.66557	2.67667	0.00414675	0.0297098	2.50531	2.50531
2.0	0.673939	2.64913	2.66142	0.00454193	0.0321711	2.48205	2.48205
2.1	0.705630	2.61259	2.64576	0.00497912	0.0348542	2.45907	2.45907
2.2	0.739154	2.59531	2.62971	0.00546349	0.0377817	2.43532	2.43532
2.3	0.774465	2.59753	2.61319	0.00600090	0.0409785	2.41076	2.41076
2.4	0.812286	2.57909	2.59622	0.00659899	0.0444736	2.38534	2.38534
2.5	0.852221	2.56004	2.57877	0.00726251	0.0482980	2.35900	2.35900
2.6	0.894650	2.54029	2.56079	0.00800358	0.0524873	2.33169	2.33169
2.7	0.939783	2.51981	2.54226	0.00883192	0.0570817	2.30335	2.30335
2.8	0.987655	2.49853	2.52315	0.00975860	0.0621627	2.27390	2.27390
2.9	1.03913	2.47639	2.50345	0.0107979	0.0676720	2.24132	2.24132
3.0	1.09390	2.45331	2.48303	0.0119662	0.0737767	2.21141	2.21141
3.1	1.15250	2.42922	2.46192	0.0132825	0.0805060	2.17819	2.17819
3.2	1.21529	2.40402	2.44096	0.0147692	0.0879345	2.14352	2.14352
3.3	1.28269	2.37762	2.41739	0.0164530	0.0961476	2.10732	2.10732
3.4	1.35219	2.34989	2.39385	0.0183653	0.1052433	2.06944	2.06944
3.5	1.43331	2.32070	2.36398	0.0205438	0.115332	2.02977	2.02977

TABLE I.—Continued

$x$	$c$	$\frac{S_{II}}{D/b}$	$\frac{s}{D/b}$	$0^2$	$\frac{g_{02}}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s}{D/b}$
0	0.0256647	2.90943	2.91182	0.000821665	0.006966666	2.82356	2.82356
.1	0.298627	2.89853	2.90141	0.000891779	0.00750718	2.81477	2.81477
.2	0.598604	2.88604	2.89089	0.000988080	0.00809017	2.80989	2.80989
.3	0.924213	2.85705	2.88008	0.01050114	0.00871908	2.78670	2.78670
.4	0.327880	2.85586	2.86914	0.0014163	0.00939780	2.77229	2.77229
.5	0.952172	2.85446	2.85800	0.00124025	0.0101306	2.75735	2.75735
.6	0.3567125	2.844283	2.84667	0.00134781	0.0109220	2.74216	2.74216
.7	0.382778	2.83097	2.83512	0.00146519	0.0117771	2.72260	2.72260
.8	0.299173	2.81886	2.82336	0.00157339	0.0127015	2.70666	2.70666
.9	0.416352	2.80650	2.81138	0.00173349	0.0137012	2.69232	2.69232
1.0	0.434364	2.79388	2.79916	0.00188672	0.0147830	2.67757	2.67757
1.1	0.453260	2.78097	2.78669	0.00205445	0.0159541	2.66338	2.66338
1.2	0.473096	2.75776	2.77397	0.00223820	0.0172227	2.64273	2.64273
1.3	0.493092	2.75424	2.76098	0.00243967	0.0185977	2.62661	2.62661
1.4	0.515829	2.74040	2.74771	0.00262079	0.0206868	2.60986	2.60986
1.5	0.538861	2.72621	2.73415	0.00290371	0.0217069	2.5882	2.5882
1.6	0.563102	2.71165	2.72028	0.00317085	0.02346430	2.55710	2.55710
1.7	0.586338	2.69671	2.70609	0.00346494	0.02537435	2.54680	2.54680
1.8	0.615555	2.68136	2.69156	0.00378908	0.0274499	2.52588	2.52588
1.9	0.643953	2.66557	2.67667	0.00414675	0.0297098	2.50531	2.50531
2.0	0.673939	2.64913	2.66142	0.00454193	0.0321711	2.48205	2.48205
2.1	0.705630	2.61259	2.64576	0.00497912	0.0348542	2.45907	2.45907
2.2	0.739154	2.59531	2.62971	0.00546349	0.0377817	2.43532	2.43532
2.3	0.774465	2.59753	2.61319	0.00600090	0.0409785	2.41076	2.41076
2.4	0.812286	2.57909	2.59622	0.00659899	0.0444736	2.38534	2.38534
2.5	0.852221	2.56004	2.57877	0.00726251	0.0482980	2.35900	2.35900
2.6	0.894650	2.54029	2.56079	0.00800358	0.0524873	2.33169	2.33169
2.7	0.939783	2.51981	2.54226	0.00883192	0.0570817	2.30335	2.30335
2.8	0.987655	2.49853	2.52315	0.00975860	0.0621627	2.27390	2.27390
2.9	1.03913	2.47639	2.50345	0.0107979	0.0676720	2.24132	2.24132
3.0	1.09390	2.45331	2.48303	0.0119662	0.0737767	2.21141	2.21141
3.1	1.15250	2.42922	2.46192	0.0132825	0.0805060	2.17819	2.17819
3.2	1.21529	2.40402	2.44096	0.0147692	0.0879345	2.14352	2.14352
3.3	1.28269	2.37762	2.41739	0.0164530	0.0961476	2.10732	2.10732
3.4	1.35219	2.34989	2.39385	0.0183653	0.1052433	2.06944	2.06944
3.5	1.43331	2.32070	2.36398	0.0205438	0.115332	2.02977	2.02977
3.6	1.51520	2.29351	2.33471	0.0227541	0.1252433	1.99144	1.99144
3.7	1.59819	2.26631	2.30624	0.0249785	0.1352433	1.95577	1.95577
3.8	1.68118	2.23911	2.27767	0.0271985	0.1452433	1.91911	1.91911
3.9	1.76417	2.21191	2.24911	0.0294285	0.1552433	1.88254	1.88254
4.0	1.84716	2.18469	2.22054	0.0316685	0.1652433	1.84590	1.84590
4.1	1.93015	2.15739	2.19197	0.0338685	0.1752433	1.80928	1.80928
4.2	2.01314	2.13018	2.16334	0.0360685	0.1852433	1.77365	1.77365
4.3	2.09613	2.09997	2.13471	0.0382685	0.1952433	1.73702	1.73702
4.4	2.17912	2.06976	2.10614	0.0404685	0.2052433	1.69944	1.69944
4.5	2.26211	2.03955	2.07751	0.0426685	0.2152433	1.66177	1.66177
4.6	2.34510	2.00934	2.04884	0.0448685	0.2252433	1.62311	1.62311
4.7	2.42809	1.97913	2.01913	0.0470685	0.2352433	1.58444	1.58444
4.8	2.51108	1.94892	1.97992	0.0492685	0.2452433	1.54577	1.54577
4.9	2.59397	1.91871	1.94971	0.0514685	0.2552433	1.50710	1.50710
5.0	2.67692	1.88849	1.91962	0.0536685	0.2652433	1.46844	1.46844
5.1	2.75981	1.85828	1.88951	0.0558685	0.2752433	1.42977	1.42977
5.2	2.84270	1.82807	1.85979	0.0580685	0.2852433	1.39111	1.39111
5.3	2.92559	1.79786	1.82998	0.0602685	0.2952433	1.35244	1.35244
5.4	3.00848	1.76765	1.79917	0.0624685	0.3052433	1.31377	1.31377

TABLE I.—Continued

$\frac{k}{b}$	$\frac{c}{b}$	$\frac{s_{II}}{b}$	$\frac{s}{b}$	$a^2$	$\frac{s_{II}}{(b/b)^2}$	$\frac{s_{IV}}{b}$
0	0.0337662	2.80576	2.80896	0.0011015	0.0089613	2.71112
1	0.0337662	2.76628	2.78236	0.0011015	0.0089613	2.71112
2	0.0336288	2.73362	2.76926	0.0012476	0.0069335	2.6985
3	0.0381576	2.77223	2.77628	0.0012476	0.0069335	2.6985
4	0.0397522	2.76062	2.76499	0.0015056	0.012520	2.65507
5	0.0418888	2.75350	2.74877	0.0017164	0.012520	2.65507
6	0.0431795	2.73668	2.74276	0.0018764	0.012520	2.66698
7	0.0450174	2.72332	2.72986	0.0020218	0.012520	2.66698
8	0.0469426	2.71170	2.71769	0.0022605	0.012520	2.5903
9	0.0510277	2.69879	2.69559	0.0025073	0.012520	2.57185
10	0.0510277	2.68559	2.69261	0.0027040	0.012520	2.55511
11	0.0532815	2.67205	2.67826	0.0028548	0.012520	2.53689
12	0.0561224	2.65206	2.65821	0.0029833	0.012520	2.53689
13	0.0593529	2.63552	2.64177	0.0030556	0.012520	2.51857
14	0.0639397	2.61937	2.62910	0.0031535	0.012520	2.49105
15	0.0676124	2.59255	2.60328	0.0032627	0.012520	2.47328
16	0.0716214	2.56255	2.57672	0.0033718	0.012520	2.45503
17	0.0757690	2.53026	2.56700	0.0034718	0.012520	2.437061
18	0.0793175	2.50533	2.53291	0.0035718	0.012520	2.41957
19	0.0833529	2.47520	2.50206	0.0036718	0.012520	2.39195
20	0.0870587	2.44517	2.47697	0.0037718	0.012520	2.373076
21	0.0907106	2.41517	2.44895	0.0038718	0.012520	2.35467
22	0.0942817	2.38517	2.41985	0.0039718	0.012520	2.33605
23	0.0975660	2.35517	2.39053	0.0040718	0.012520	2.31706
24	0.1005333	2.32517	2.35291	0.0041718	0.012520	2.298072
25	0.1035329	2.29517	2.32391	0.0042718	0.012520	2.280376
26	0.1066214	2.26517	2.29210	0.0043718	0.012520	2.262072
27	0.1096312	2.23517	2.25921	0.0044718	0.012520	2.243693
28	0.1126164	2.20517	2.23421	0.0045718	0.012520	2.225093
29	0.115608	2.17517	2.19916	0.0046718	0.012520	2.206393
30	0.118665	2.14517	2.17317	0.0047718	0.012520	2.187693
31	0.121688	2.11517	2.13717	0.0048718	0.012520	2.169093
32	0.1247493	2.08517	2.10916	0.0049718	0.012520	2.151350
33	0.1277312	2.05517	2.07916	0.0050718	0.012520	2.132718
34	0.1307131	2.02517	2.04916	0.0051718	0.012520	2.113931

TABLE I.—Continued

$\frac{k}{b}$	$\frac{c}{b}$	$\frac{s_{II}}{b}$	$\frac{s}{b}$	$a^2$	$\frac{s_{II}}{(b/b)^2}$	$\frac{s_{IV}}{b}$
0	0.0337662	2.80576	2.80896	0.0011015	0.0089613	2.71112
1	0.0337662	2.76628	2.78236	0.0011015	0.0089613	2.71112
2	0.0336288	2.73362	2.76926	0.0012476	0.0069335	2.6985
3	0.0381576	2.77223	2.77628	0.0012476	0.0069335	2.6985
4	0.0397522	2.76062	2.76499	0.0015056	0.012520	2.65507
5	0.0418888	2.75350	2.74877	0.0017164	0.012520	2.65507
6	0.0431795	2.73668	2.74276	0.0018764	0.012520	2.66698
7	0.0450174	2.72332	2.72986	0.0020218	0.012520	2.66698
8	0.0469426	2.71170	2.71769	0.0022605	0.012520	2.5903
9	0.0510277	2.69879	2.69559	0.0025073	0.012520	2.57185
10	0.0510277	2.68559	2.69261	0.0027040	0.012520	2.55511
11	0.0532815	2.67205	2.67826	0.0028548	0.012520	2.53689
12	0.0561224	2.65206	2.65821	0.0029833	0.012520	2.53689
13	0.0593529	2.63552	2.64177	0.0030556	0.012520	2.51857
14	0.0639397	2.61937	2.62910	0.0031535	0.012520	2.49105
15	0.0676124	2.59255	2.60328	0.0032627	0.012520	2.47328
16	0.0716214	2.56255	2.57672	0.0033718	0.012520	2.45503
17	0.0757690	2.53026	2.56700	0.0034718	0.012520	2.437061
18	0.0793175	2.50533	2.53291	0.0035718	0.012520	2.41957
19	0.0833529	2.47520	2.50206	0.0036718	0.012520	2.39195
20	0.0870587	2.44517	2.47697	0.0037718	0.012520	2.373076
21	0.0907106	2.41517	2.44895	0.0038718	0.012520	2.35467
22	0.0942817	2.38517	2.41985	0.0039718	0.012520	2.33605
23	0.0975660	2.35517	2.39053	0.0040718	0.012520	2.31706
24	0.1005333	2.32517	2.35291	0.0041718	0.012520	2.298072
25	0.1035329	2.29517	2.32391	0.0042718	0.012520	2.280376
26	0.1066214	2.26517	2.29210	0.0043718	0.012520	2.262072
27	0.1106312	2.23517	2.25921	0.0044718	0.012520	2.243693
28	0.114688	2.20517	2.23421	0.0045718	0.012520	2.225093
29	0.1187493	2.17517	2.19916	0.0046718	0.012520	2.206393
30	0.1227312	2.14517	2.17317	0.0047718	0.012520	2.187693
31	0.1267312	2.11517	2.13717	0.0048718	0.012520	2.169093
32	0.1307131	2.08517	2.10916	0.0049718	0.012520	2.151350
33	0.1347131	2.05517	2.07916	0.0050718	0.012520	2.132718

 $\lambda = 0.56$ 

$\frac{k}{b}$	$\frac{c}{b}$	$\frac{s_{II}}{b}$	$\frac{s}{b}$	$a^2$	$\frac{s_{II}}{(b/b)^2}$	$\frac{s_{IV}}{b}$
0	0.0337662	2.80576	2.80896	0.0011015	0.0089613	2.71112
1	0.0337662	2.76628	2.78236	0.0011015	0.0089613	2.71112
2	0.0336288	2.73362	2.76926	0.0012476	0.0069335	2.6985
3	0.0381576	2.77223	2.77628	0.0012476	0.0069335	2.6985
4	0.0397522	2.76062	2.76499	0.0015056	0.012520	2.65507
5	0.0418888	2.75350	2.74877	0.0017164	0.012520	2.65507
6	0.0431795	2.73668	2.74276	0.0018764	0.012520	2.66698
7	0.0450174	2.72332	2.72986	0.0020218	0.012520	2.66698
8	0.0469426	2.71170	2.71769	0.0022605	0.012520	2.5903
9	0.0510277	2.69879	2.69559	0.0025073	0.012520	2.57185
10	0.0510277	2.68559	2.69261	0.0027040	0.012520	2.55511
11	0.0532815	2.67205	2.67826	0.0028548	0.012520	2.53689
12	0.0561224	2.65206	2.65821	0.0029833	0.012520	2.53689
13	0.0593529	2.63552	2.64177	0.0030556	0.012520	2.51857
14	0.0639397	2.61937	2.62910	0.0031535	0.012520	2.49105
15	0.0676124	2.59255	2.60328	0.0032627	0.012520	2.47328
16	0.0716214	2.56255	2.57672	0.0033718	0.012520	2.45503
17	0.0757690	2.53026	2.56700	0.0034718	0.012520	2.437061
18	0.0793175	2.50533	2.53291	0.0035718	0.012520	2.41957
19	0.0833529	2.47520	2.50206	0.0036718	0.012520	2.39195
20	0.0870587	2.44517	2.47697	0.0037718	0.012520	2.373076
21	0.0907106	2.41517	2.44895	0.0038718	0.012520	2.35467
22	0.0942817	2.38517	2.41985	0.0039718	0.012520	2.33605
23	0.0975660	2.35517	2.39053	0.0040718	0.012520	2.31706
24	0.1005333	2.32517	2.35291	0.0041718	0.012520	2.298072
25	0.1035329	2.29517	2.32391	0.0042718	0.012520	2.280376
26	0.1066214	2.26517	2.29210	0.0043718	0.012520	2.262072
27	0.1106312	2.23517	2.25921	0.0044718	0.012520	2.243693
28	0.114688	2.20517	2.23421	0.0045718	0.012520	2.225093
29	0.1187493	2.17517	2.19916	0.0046718	0.012520	2.206393
30	0.1227312	2.14517	2.17317	0.0047718	0.012520	2.187693
31	0.1267312	2.11517	2.13717	0.0048718	0.012520	2.169093
32	0.1307131	2.08517	2.10916	0.0049718	0.012520	2.151350
33	0.1347131	2.05517	2.07916	0.0050718	0.012520	2.132718

 $\lambda = 0.56$ 

$\frac{k}{b}$	$\frac{c}{b}$	$\frac{s_{II}}{b}$	$\frac{s}{b}$	$a^2$	$\frac{s_{II}}{(b/b)^2}$	$\frac{s_{IV}}{b}$
0	0.0337662	2.80576	2.80896	0.0011015	0.0089613	2.71112
1	0.0337662	2.76628	2.78236	0.0011015	0.0089613	2.71112
2	0.0336288	2.73362	2.76926	0.0012476	0.0069335	2.6985
3	0.0381576	2.77223	2.77628	0.0012476	0.0069335	2.6985
4	0.0397522	2.76062	2.76499	0.0015056	0.012520	2.65507
5	0.0418888	2.75350	2.74877	0.0017164	0.012520	2.65507
6	0.0431795	2.73668	2.74276	0.0018764	0.012520	2.66698
7	0.0450174	2.72332	2.72986	0.0020218	0.012520	2.66698
8	0.0469426	2.71170	2.71769	0.0022605	0.012520	2.5903
9	0.0510277	2.69879	2.69559	0.0025073	0.012520	2.57185
10	0.0510277	2.68559	2.69261	0.0027040	0.012520	2.55511
11	0.0532815	2.67205	2.67826	0.0028548	0.012520	2.53689
12	0.0561224	2.65206	2.65821	0.0029833	0.012520	2.53689
13	0.0593529	2.63552	2.64177	0.0030556	0.012520	2.51857
14	0.0639397	2.61937	2.62910	0.0031535	0.012520	2.49105
15	0.0676124	2.59255	2.6			

TABLE I.—Continued

$\lambda$	$b$	$\frac{SII}{D/b}$				$\frac{SIV}{D/b}$				$\frac{S^2C^2}{(D/b)^2}$				$\frac{SIV}{D/b}$	
		$\alpha$	$\beta$	$\gamma$	$\delta$	$\epsilon$	$\zeta$	$\eta$	$\theta$	$\zeta$	$\eta$	$\theta$	$\zeta$	$\eta$	$\theta$
$\lambda = 0.58$															
0	0.0392588	2.70932	2.69800	2.70252	0.0015416	0.0113484	2.60697	2.59206	0.213416	1.99230	2.08737	0.0455463	0.198451	1.61190	
1	0.0408725	2.69845	2.68645	2.69133	0.0181125	0.0111932	2.57679	2.57159	1.90548	2.05659	2.018235	0.218235	1.58943		
2	0.0425587	2.67467	2.67994	2.67934	0.0196442	0.0140862	2.61116	2.61216	1.90548	2.02439	2.040376	0.240376	1.5301		
3	0.0433218	2.66265	2.66834	2.66324	0.0021662	0.0151749	2.54515	2.55875	1.85016	1.99032	2.069491	0.265213	1.47534		
4	0.0461660	2.65036	2.65651	2.65347	0.0023135	0.0163247	2.52874	2.527010	1.80158	1.95456	0.0767348	0.293151	1.41313		
5	0.0480962	2.65036	2.65651	2.65347	0.0023135	0.0163247	2.52874	2.527010	1.80158	1.95456	0.0767348	0.293151	1.41313		
6	0.0501175	2.63781	2.64445	2.63215	0.00251176	0.0175651	2.51192	2.51192	1.74743	1.91680	1.87686	0.0883643	0.324663	1.34701	
7	0.0522355	2.63497	2.63215	2.61960	0.00296540	0.0203496	2.47695	2.47695	1.6103	1.83450	1.87686	0.102286	0.360314	1.27660	
8	0.0544555	2.61184	2.59839	2.60679	0.00322449	0.0219116	2.45116	2.45116	1.53756	1.789456	1.87686	0.110779	0.400779	1.20473	
9	0.0567846	2.59746	2.59839	2.60679	0.00350814	0.0236003	2.44068	2.44068	1.49864	1.74144	1.87686	0.112998	0.446866	1.12998	
10	0.0592295	2.58461	2.59371	2.59371	0.0254270	0.0254270	2.42087	2.42087	1.442784	1.74743	1.91680	0.1164725	0.499551	1.03466	
11	0.0617977	2.57048	2.58032	2.56666	0.00381895	0.02541589	2.40442	2.40442	1.40712	1.74743	1.91680	0.119086	0.560027	0.941750	
12	0.0644972	2.55598	2.55598	2.55267	0.00453425	0.0295457	2.38078	2.38078	1.38148	1.74743	1.91680	0.125509	0.629742	0.84154	
13	0.0673369	2.55119	2.55267	2.55389	0.00494578	0.0186668	2.35847	2.35847	1.32482	1.74743	1.91680	0.130492	0.70492	0.73215	
14	0.0703263	2.55280	2.55280	2.55280	0.00494578	0.0186668	2.33326	2.33326	1.30139	1.74743	1.91680	0.134050	0.801507	0.71408	
15	0.0734758	2.51006	2.52369	2.52369	0.00539870	0.0333842	2.33326	2.33326	1.29393	1.74743	1.91680	0.139519	0.845500	0.845500	
16	0.0767969	2.49386	2.50866	2.49234	0.00589776	0.0371167	2.31600	2.31600	1.27341	1.74638	1.91680	0.144489	0.909891	0.884847	
17	0.083019	2.47717	2.47743	2.47743	0.00644840	0.040050	2.2903	2.2903	1.24960	1.74638	1.91680	0.148169	0.97180	0.818169	
18	0.0800445	2.45995	2.45995	2.45995	0.00705675	0.0432120	2.26931	2.26931	1.22480	1.74638	1.91680	0.153740	1.037443	0.975470	
19	0.0819209	2.44217	2.46119	2.46119	0.00772985	0.0468233	2.24480	2.24480	1.20793	1.74638	1.91680	0.159803	1.079519	1.079519	
20	0.090636	2.44239	2.44450	2.44450	0.00847570	0.0506474	2.21945	2.21945	1.19393	1.74638	1.91680	0.165057	1.133402	1.044489	
21	0.0961546	2.40476	2.42734	2.42734	0.00930350	0.0518162	2.19322	2.19322	1.17811	1.74638	1.91680	0.170442	1.20420	1.044489	
22	1.01113	2.38505	2.40968	2.39149	0.0102328	0.0593652	2.16603	2.16603	1.16543	1.74638	1.91680	0.17636	1.26139	1.09887	
23	1.01060	2.36459	2.36459	2.36459	0.01124587	0.064343	2.13785	2.13785	1.15579	1.74638	1.91680	0.182444	1.32259	1.122559	
24	1.11924	2.32122	2.32122	2.32122	0.0129247	0.0691681	2.10685	2.10685	1.14543	1.74638	1.91680	0.188186	1.40188	1.203057	
25	1.11924	2.32122	2.35339	2.35339	0.0129247	0.0691681	2.07823	2.07823	1.133667	1.74638	1.91680	0.194353	1.483353	1.254853	
26	1.28698	2.29817	2.33341	2.32127	0.0151039	0.0823377	2.04664	2.04664	1.10632	1.74638	1.91680	0.2092650	1.583152	1.37753	
27	1.29278	2.27410	2.27410	2.27410	0.0167128	0.082940	2.01376	2.01376	1.05191	1.74638	1.91680	0.222779	1.66222	1.47753	
28	1.36103	2.24893	2.24893	2.24893	0.0185240	0.0972586	1.97951	1.97951	1.01528	1.74638	1.91680	0.23272	1.729512	1.5272	
29	1.51266	2.19486	2.19486	2.19486	0.0205482	0.10594	1.94378	1.94378	0.95129	1.74638	1.91680	0.242279	1.809959	1.607694	
30	1.51266	2.19486	2.20137	2.20137	0.0205482	0.115452	1.90647	1.90647	0.91526	1.74638	1.91680	0.25271	1.870721	1.703778	
31	1.59709	2.16572	2.22240	2.19760	0.0255071	0.125982	1.86747	1.86747	0.87944	1.74638	1.91680	0.265271	1.942476	1.807237	
32	1.68369	2.13498	2.13498	2.13498	0.0284966	0.1361919	1.82663	1.82663	0.84618	1.74638	1.91680	0.275271	2.012036	1.863186	
33	1.78262	2.10248	2.10248	2.10248	0.0352828	0.150517	1.78382	1.78382	0.81493	1.74638	1.91680	0.285271	2.161644	1.913186	
34	1.89282	2.06802	2.14487	2.14487	0.0403355	0.164825	1.73886	1.73886	0.78476	1.74638	1.91680	0.295271	2.337267	2.013186	
35	2.00837	2.03138	2.11676	2.11676	0.0403355	0.180731	1.69164	1.69164	0.75786	1.74638	1.91680	0.305271	2.537267	2.441618	

TABLE I.—Continued

TABLE I.—Continued

$\frac{\lambda}{D} = 0.60$	$\frac{S}{D/b}$	$\frac{c^2}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s IV}{D/b}$
0	0.045115	2.6194	2.6247	0
.1	0.046950	2.6077	2.6135	0.002032
.2	0.048870	2.5988	2.6025	0.002203
.3	0.050878	2.5887	2.5904	0.002383
.4	0.052979	2.5712	2.5785	0.002588
.5	0.055179	2.5585	2.5663	0.002808
.6	0.057183	2.5155	2.5540	0.003047
.7	0.059898	2.5322	2.5413	0.003303
.8	0.062421	2.5286	2.5284	0.003587
.9	0.065089	2.5046	2.5153	0.004236
1.0	0.067881	2.4903	2.5018	0.004608
1.1	0.070815	2.4775	2.4880	0.005017
1.2	0.073900	2.4604	2.4739	0.005313
1.3	0.077148	2.4448	2.4595	0.005619
1.4	0.080570	2.4288	2.4377	0.005915
1.5	0.084178	2.4123	2.4295	0.007089
1.6	0.087985	2.3953	2.4140	0.007741
1.7	0.092006	2.3777	2.3980	0.008151
1.8	0.096227	2.3596	2.3816	0.009265
1.9	0.10076	2.3308	2.3648	0.01012
2.0	0.10553	2.3213	2.3475	0.011336
2.1	0.11058	2.3012	2.3296	0.012229
2.2	0.11596	2.2802	2.3113	0.013476
2.3	0.12187	2.2584	2.2923	0.014204
2.4	0.12776	2.2257	2.2728	0.016321
2.5	0.13424	2.2120	2.2526	0.018022
2.6	0.14118	2.1872	2.2317	0.019931
2.7	0.14859	2.1613	2.2101	0.022080
2.8	0.15654	2.1341	2.1877	0.024505
2.9	0.16508	2.1055	2.1644	0.027230
3.0	0.17426	2.0753	2.1403	0.030386
3.1	0.18416	2.0435	2.1152	0.033915
3.2	0.19486	2.0098	2.0891	0.037920
3.3	0.20445	1.9740	2.0619	0.042791
3.4	0.21904	1.9359	2.0334	0.047588
3.5	0.23276	1.8951	2.0037	0.05175

TABLE I.—Continued

$\frac{\lambda}{D} = 0.60$	$\frac{S}{D/b}$	$c$	$\frac{s II}{D/b}$	$\frac{c^2}{D/b}$	$\frac{s IV}{D/b}$	$\frac{s II}{D/b}$	$c$	$\frac{s II}{D/b}$	$\frac{c^2}{D/b}$	$\frac{s IV}{D/b}$
0	0.045115	2.6194	2.6247	0	2.5063	3.6	0.24774	1.8515	1.9725	0.23881
.1	0.046950	2.6077	2.6135	0.014021	2.5903	3.7	0.26118	1.8047	1.9398	0.26262
.2	0.048870	2.5988	2.6025	0.015056	2.5903	3.8	0.27536	1.7536	1.9055	0.28929
.3	0.050878	2.5887	2.5904	0.016170	2.4749	3.9	0.29826	1.6985	1.8695	0.30576
.4	0.052979	2.5712	2.5785	0.017369	2.4588	4.0	0.30226	1.6383	1.8511	0.31923
.5	0.055179	2.5585	2.5663	0.020053	2.4247	4.1	0.34922	1.5772	1.7906	0.32195
.6	0.057183	2.5155	2.5540	0.021553	2.4072	4.2	0.37700	1.4994	1.7478	0.3213
.7	0.059898	2.5322	2.5413	0.023171	2.3891	4.3	0.4036	1.4184	1.7022	0.3071
.8	0.062421	2.5286	2.5284	0.024917	2.3706	4.4	0.4277	1.3757	1.6676	0.29153
.9	0.065089	2.5046	2.5153	0.024236	2.3515	4.5	0.4488	1.3257	1.6537	0.28512
1.0	0.067881	2.4903	2.5018	0.026803	2.3320	4.6	0.47205	1.2575	1.6058	0.25512
1.1	0.070815	2.4775	2.4880	0.031042	2.3118	4.7	0.52214	1.1083	1.5662	0.28317
1.2	0.073900	2.4604	2.4739	0.031042	2.2911	4.8	0.56337	1.0735	1.5219	0.30504
1.3	0.077148	2.4448	2.4595	0.036003	2.2697	4.9	0.62605	1.0595	1.4962	0.30112
1.4	0.080570	2.4288	2.4377	0.036003	2.2497	5.0	0.6897	1.0356	1.4763	0.29370
1.5	0.084178	2.4123	2.4295	0.041825	2.2250	5.1	0.7295	1.0295	1.4563	0.28331
1.6	0.087985	2.3953	2.4140	0.045111	2.2016	5.2	0.76171	1.0197	1.4197	0.22055
1.7	0.092006	2.3777	2.3980	0.048151	2.1774	5.3	0.80037	1.0001	1.3662	0.23329
1.8	0.096227	2.3596	2.3816	0.052556	2.1525	5.4	0.84685	1.0001	1.3283	0.23112
1.9	0.10076	2.3308	2.3648	0.056773	2.1265	5.5	0.88565	0.9999	1.2915	0.23017
2.0	0.10553	2.3213	2.3475	0.061365	2.0998	5.6	0.92916	0.9999	1.2312	0.22050
2.1	0.11058	2.3012	2.3296	0.066369	2.0720	5.7	0.9690	0.9999	1.19606	0.21793
2.2	0.11596	2.2802	2.3113	0.071828	2.0433	5.8	1.00802	0.9999	1.1551	0.21720
2.3	0.12187	2.2584	2.2923	0.077290	2.0134	5.9	1.04722	0.9999	1.1122	0.21515
2.4	0.12776	2.2257	2.2728	0.084730	1.9824	6.0	1.08232	0.9999	1.0798	0.21617
2.5	0.13424	2.2120	2.2526	0.091444	1.9502	6.1	1.11225	0.9999	1.04284	0.21515
2.6	0.14118	2.1872	2.2317	0.099265	1.9166	6.2	1.14709	0.9999	1.00284	0.21617
2.7	0.14859	2.1613	2.2101	0.102980	1.0785	6.3	1.17593	0.9999	1.06284	0.21720
2.8	0.15654	2.1341	2.1877	0.104505	1.1728	6.4	1.21122	0.9999	1.12284	0.21816
2.9	0.16508	2.1055	2.1644	0.107230	1.2766	6.5	1.24793	0.9999	1.18284	0.21915
3.0	0.17426	2.0753	2.1403	0.130386	1.3911	6.6	1.28326	0.9999	1.24284	0.21920
3.1	0.18416	2.0435	2.1152	0.133915	1.5174	6.7	1.32423	0.9999	1.30284	0.21925
3.2	0.19486	2.0098	2.0891	0.137920	1.6571	6.8	1.36423	0.9999	1.36284	0.21925
3.3	0.20445	1.9740	2.0619	0.142791	1.8119	6.9	1.40423	0.9999	1.42284	0.21925
3.4	0.21904	1.9359	2.0334	0.147588	1.9838	7.0	1.44423	0.9999	1.48284	0.21925
3.5	0.23276	1.8951	2.0037	0.15175	2.1750	7.1	1.48423	0.9999	1.54284	0.21925

TABLE I.—Continued

$\lambda$	$k$	$a$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{g^2 c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$	$\frac{s_{III}}{D/b}$	$\frac{s}{D/b}$	$\alpha^2$	$\frac{s^2 g^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
0	0.0512957	2.53538	2.54207	0.00263125	0.0170035	2.11167	0.0120035	0.28912	1.71592	0.280774	1.32647	1.2637
.1	0.0512958	2.52339	2.53060	0.00263125	0.0170035	2.36555	0.0120035	0.30274	1.69346	0.30873	1.2637	1.2270
.2	0.0512957	2.51133	2.51690	0.00263125	0.0170035	2.36019	0.0120035	0.32678	1.60246	0.30991	1.0512	1.07325
.3	0.0512957	2.49861	2.50698	0.00263125	0.0170035	2.36216	0.0120035	0.34488	1.79547	0.31605	1.0512	1.07325
.4	0.0512957	2.48559	2.49182	0.00263125	0.0170035	2.36216	0.0120035	0.374981	1.75750	0.31605	1.0512	1.07325
.5	0.0512957	2.47267	2.48244	0.00263125	0.0170035	2.36216	0.0120035	0.401765	1.71715	0.31605	1.0512	1.07325
.6	0.0512957	2.5921	2.6057	0.00263125	0.0170035	2.36216	0.0120035	0.431212	1.51585	0.31605	1.0512	1.07325
.7	0.0512957	2.57504	2.5857	0.00263125	0.0170035	2.36216	0.0120035	0.466695	1.22273	0.31605	1.0512	1.07325
.8	0.0512957	2.56062	2.5724	0.00263125	0.0170035	2.36216	0.0120035	0.50069	1.11448	0.31605	1.0512	1.07325
.9	0.0512957	2.55052	2.56685	0.00263125	0.0170035	2.36216	0.0120035	0.529222	1.092322	0.31605	1.0512	1.07325
1.0	0.0512957	2.54956	2.56196	0.00263125	0.0170035	2.36216	0.0120035	0.557413	1.07351	0.31605	1.0512	1.07325
1.1	0.0512957	2.5921	2.6075	0.00263125	0.0170035	2.36216	0.0120035	0.583057	1.041004	0.31605	1.0512	1.07325
1.2	0.0512957	2.57504	2.5891	0.00263125	0.0170035	2.36216	0.0120035	0.61340	1.00765	0.31605	1.0512	1.07325
1.3	0.0512957	2.56062	2.5742	0.00263125	0.0170035	2.36216	0.0120035	0.64385	9.8335	0.31605	1.0512	1.07325
1.4	0.0512957	2.55052	2.5647	0.00263125	0.0170035	2.36216	0.0120035	0.67436	9.6335	0.31605	1.0512	1.07325
1.5	0.0512957	2.54956	2.5626	0.00263125	0.0170035	2.36216	0.0120035	0.70482	9.4335	0.31605	1.0512	1.07325
1.6	0.0512957	2.58665	2.40212	0.0061726	0.0371171	2.29321	0.0710171	0.701481	7.08564	0.89692	4.02975	4.02975
1.7	0.0512957	2.57089	2.37674	0.0061726	0.0371171	2.29321	0.0710171	0.734991	7.08564	0.89692	4.02975	4.02975
1.8	0.0512957	2.55467	2.37281	0.0061726	0.0371171	2.29321	0.0710171	0.76950	7.08564	0.89692	4.02975	4.02975
1.9	0.0512957	2.53795	2.35760	0.0061726	0.0371171	2.29321	0.0710171	0.80322	7.08564	0.89692	4.02975	4.02975
2.0	0.0512957	2.52069	2.34200	0.0061726	0.0371171	2.29321	0.0710171	0.83705	7.08564	0.89692	4.02975	4.02975
2.1	0.0512957	2.49375	2.31575	0.0061726	0.0371171	2.29321	0.0710171	0.87100	7.08564	0.89692	4.02975	4.02975
2.2	0.0512957	2.4771	2.30287	0.0061726	0.0371171	2.29321	0.0710171	0.90497	7.08564	0.89692	4.02975	4.02975
2.3	0.0512957	2.46256	2.29054	0.0061726	0.0371171	2.29321	0.0710171	0.93892	7.08564	0.89692	4.02975	4.02975
2.4	0.0512957	2.45036	2.28263	0.0061726	0.0371171	2.29321	0.0710171	0.97298	7.08564	0.89692	4.02975	4.02975
2.5	0.0512957	2.44558	2.27521	0.0061726	0.0371171	2.29321	0.0710171	1.00633	7.08564	0.89692	4.02975	4.02975
2.6	0.0512957	2.43420	2.27534	0.0061726	0.0371171	2.29321	0.0710171	1.03967	7.08564	0.89692	4.02975	4.02975
2.7	0.0512957	2.42317	2.25989	0.0061726	0.0371171	2.29321	0.0710171	1.07325	7.08564	0.89692	4.02975	4.02975
2.8	0.0512957	2.41257	2.241988	0.0061726	0.0371171	2.29321	0.0710171	1.10727	7.08564	0.89692	4.02975	4.02975
2.9	0.0512957	2.40217	2.221481	0.0061726	0.0371171	2.29321	0.0710171	1.14128	7.08564	0.89692	4.02975	4.02975
3.0	0.0512957	2.39157	2.20811	0.0061726	0.0371171	2.29321	0.0710171	1.17597	7.08564	0.89692	4.02975	4.02975
3.1	0.0512957	2.38071	2.19388	0.0061726	0.0371171	2.29321	0.0710171	1.21077	7.08564	0.89692	4.02975	4.02975
3.2	0.0512957	2.37072	2.18719	0.0061726	0.0371171	2.29321	0.0710171	1.24577	7.08564	0.89692	4.02975	4.02975
3.3	0.0512957	2.36070	2.18151	0.0061726	0.0371171	2.29321	0.0710171	1.28077	7.08564	0.89692	4.02975	4.02975
3.4	0.0512957	2.35072	2.17698	0.0061726	0.0371171	2.29321	0.0710171	1.31577	7.08564	0.89692	4.02975	4.02975
3.5	0.0512957	2.34072	2.17198	0.0061726	0.0371171	2.29321	0.0710171	1.35077	7.08564	0.89692	4.02975	4.02975
3.6	0.0512957	2.33071	2.16715	0.0061726	0.0371171	2.29321	0.0710171	1.38577	7.08564	0.89692	4.02975	4.02975
3.7	0.0512957	2.32071	2.16254	0.0061726	0.0371171	2.29321	0.0710171	1.42077	7.08564	0.89692	4.02975	4.02975
3.8	0.0512957	2.31070	2.15771	0.0061726	0.0371171	2.29321	0.0710171	1.45577	7.08564	0.89692	4.02975	4.02975
3.9	0.0512957	2.30069	2.15332	0.0061726	0.0371171	2.29321	0.0710171	1.49077	7.08564	0.89692	4.02975	4.02975
4.0	0.0512957	2.29068	2.14874	0.0061726	0.0371171	2.29321	0.0710171	1.52577	7.08564	0.89692	4.02975	4.02975
4.1	0.0512957	2.28067	2.14414	0.0061726	0.0371171	2.29321	0.0710171	1.56077	7.08564	0.89692	4.02975	4.02975
4.2	0.0512957	2.27066	2.13954	0.0061726	0.0371171	2.29321	0.0710171	1.59577	7.08564	0.89692	4.02975	4.02975
4.3	0.0512957	2.26065	2.13502	0.0061726	0.0371171	2.29321	0.0710171	1.63077	7.08564	0.89692	4.02975	4.02975
4.4	0.0512957	2.25064	2.13050	0.0061726	0.0371171	2.29321	0.0710171	1.66577	7.08564	0.89692	4.02975	4.02975
4.5	0.0512957	2.24063	2.12600	0.0061726	0.0371171	2.29321	0.0710171	1.70077	7.08564	0.89692	4.02975	4.02975
4.6	0.0512957	2.23062	2.12140	0.0061726	0.0371171	2.29321	0.0710171	1.73577	7.08564	0.89692	4.02975	4.02975
4.7	0.0512957	2.22061	2.11679	0.0061726	0.0371171	2.29321	0.0710171	1.77077	7.08564	0.89692	4.02975	4.02975
4.8	0.0512957	2.21060	2.11227	0.0061726	0.0371171	2.29321	0.0710171	1.80577	7.08564	0.89692	4.02975	4.02975
4.9	0.0512957	2.20059	2.09667	0.0061726	0.0371171	2.29321	0.0710171	1.84077	7.08564	0.89692	4.02975	4.02975
5.0	0.0512957	1.98508	1.96184	0.0061726	0.0371171	2.29321	0.0710171	1.87577	7.08564	0.89692	4.02975	4.02975
5.1	0.0512957	1.97572	1.92725	0.0061726	0.0371171	2.29321	0.0710171	1.91077	7.08564	0.89692	4.02975	4.02975
5.2	0.0512957	1.96570	1.89049	0.0061726	0.0371171	2.29321	0.0710171	1.94577	7.08564	0.89692	4.02975	4.02975
5.3	0.0512957	1.95516	1.85130	0.0061726	0.0371171	2.29321	0.0710171	1.98077	7.08564	0.89692	4.02975	4.02975
5.4	0.0512957	1.94516	1.82039	0.0061726	0.0371171	2.29321	0.0710171	2.01579	7.08564	0.89692	4.02975	4.02975
5.5	0.0512957	1.93516	1.78744	0.0061726	0.0371171	2.29321	0.0710171	2.05079	7.08564	0.89692	4.02975	4.02975
5.6	0.0512957	1.92516	1.75344	0.0061726	0.0371171	2.29321	0.0710171	2.08579	7.08564	0.89692	4.02975	4.02975
5.7	0.0512957	1.91515	1.71944	0.0061726	0.0371171	2.29321	0.0710171	2.12079	7.08564	0.89692	4.02975	4.02975
5.8	0.0512957	1.90514	1.68544	0.0061726	0.0371171	2.29321	0.0710171	2.15579	7.08564	0.89692	4.02975	4.02975
5.9	0.0512957	1.89513	1.65144	0.0061726	0.0371171	2.29321	0.0710171	1.99079	7.08564	0.89692	4.02975	4.02975
6.0	0.0512957	1.88512	1.61744	0.0061726	0.0371171	2.29321	0.0710171	1.92579	7.08564	0.89692	4.02975	4.02975
6.1	0.0512957	1.87511	1.58344	0.0061726	0.0371171	2.29321	0.0710171	1.86079	7.08564	0.89692	4.02975	4.02975
6.2	0.0512957	1.86510	1.54944	0.0061726	0.0371171	2.29321	0.0710171	1.79579	7.08564	0.89692	4.02975	4.02975
6.3	0.0512957	1.85509	1.51544	0.0061726	0.0371171	2.29321	0.0710171	1.73079	7.08564	0.89692	4.02975	4.02975
6.4	0.0512957	1.84508	1.48144	0.0061726	0.0371171	2.29321	0.0710171	1.66579	7.08564	0.89692	4.02975	4.02975
6.5	0.0512957	1.83507	1.44744	0.0061726	0.0371171	2.29321	0.0710171	1.60079	7.08564	0.89692	4.02975	4.02975
6.6	0.0512957	1.82506	1.41344	0.0061726	0.0371171	2.29321	0.0710171	1.53579	7.08564	0.89692	4.02975	4.02975
6.7	0.0512957	1.81505	1.37944	0.0061726	0.0371171	2.29321	0.0710171	1.47079	7.08564	0.89692	4.02975	4.02975
6.8	0.0512957	1.80504	1.34544	0.0061726	0.0371171	2.29321	0.0710171	1.40579	7.08564	0.89692	4.02975	4.02975
6.9	0.0512957	1.79503	1.31144	0.0061726	0.0371171	2.29321	0.0710171	1.34079	7.08564	0.89692	4.02975	4.02975
7.0	0.0512957	1.78502	1.27744	0.0061726	0.0371171	2.29321	0.0710171	1.27579	7.08564	0.89692	4.02975	4.02975
7.1	0.0512957	1.77501	1.24344	0.0061								

TABLE I.—Continued

$\lambda$	$c$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{Sc^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{b} = 0.64$						
0	0.0577736	2.45673	2.16196	0.00333779	0.0202804	2.32255
.1	0.0607181	2.4528	2.15723	0.0217233	0.0202804	2.30689
.2	0.0649610	2.44787	2.14737	0.0225731	0.0202804	2.28881
.3	0.0690080	2.44218	2.13922	0.0232069	0.0202804	2.27330
.4	0.0736746	2.43627	2.12957	0.0239381	0.0202804	2.25334
.5	0.078092	2.43018	2.10418	0.0289544	0.0202804	2.23390
.6	0.0833620	2.39526	2.39126	0.0537559	0.0307298	2.21597
.7	0.0886350	2.38119	2.37805	0.0582801	0.0329582	2.19551
.8	0.0942857	2.37660	2.36456	0.0636913	0.0379500	2.17593
.9	0.0991218	2.37267	2.35961	0.0686923	0.0425029	2.15765
1.0	0.104092	2.36926	2.35662	0.0741557	0.0476509	2.13716
1.1	0.1090911	2.35918	2.35362	0.0795745	0.0532535	2.11767
1.2	0.1143048	2.35481	2.34119	0.0841646	0.0617673	2.09295
1.3	0.1196214	2.34928	2.32709	0.0883331	0.0670299	2.06078
1.4	0.1249487	2.34475	2.29225	0.0926236	0.0705502	2.02871
1.5	0.1303857	2.33968	2.27656	0.0968755	0.0743673	1.99323
1.6	0.1358218	2.33470	2.24760	0.1018773	0.0780579	1.96287
1.7	0.1413508	2.32931	2.22216	0.1063751	0.0825011	1.93223
1.8	0.1469121	2.32331	2.19609	0.1114555	0.0867059	1.89323
1.9	0.1525748	2.31808	2.1683	0.1165875	0.0912072	1.86659
2.0	0.1583250	2.31350	2.13531	0.1214947	0.0959969	1.83207
2.1	0.1643092	2.30874	2.09728	0.1264117	0.1016644	1.79977
2.2	0.170595	2.30311	2.06228	0.131563	0.1076644	1.76533
2.3	0.17705	2.29759	2.02864	0.136505	0.1136110	1.73151
2.4	0.1837531	2.29237	2.00484	0.141563	0.1197664	1.69585
2.5	0.190595	2.28704	1.97727	0.146543	0.1257469	1.66128
2.6	0.197353	2.28175	1.95379	0.151563	0.131910	1.62752
2.7	0.204153	2.27647	1.92247	0.156563	0.1380707	1.59397
2.8	0.211051	2.27118	1.89234	0.161563	0.1442366	1.56038
2.9	0.217951	2.26591	1.86227	0.166563	0.1503969	1.52708
3.0	0.224853	2.26064	1.83227	0.171563	0.1565565	1.49406
3.1	0.231753	2.25537	1.80227	0.176563	0.1627122	1.46120
3.2	0.238651	2.25007	1.77203	0.181563	0.1688699	1.42836
3.3	0.245552	2.24477	1.74240	0.186563	0.1750060	1.39552
3.4	0.252452	2.23947	1.71277	0.191563	0.1811428	1.36274
3.5	0.301126	2.233930	1.68833	1.83522	0.1879222	1.29704

TABLE I.—Continued

$\lambda$	$c$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{Sc^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{b} = 0.64$						
3.6	0	0.321162	1.58589	1.76866	0.10338	0.323257
3.7	0	0.321162	1.52278	1.72271	0.11862	0.355151
3.8	0	0.321162	1.46476	1.69768	0.13609	0.390901
3.9	0	0.321162	1.39462	1.65506	0.15732	0.431048
4.0	0	0.321162	1.31750	1.62281	0.183302	0.476277
4.1	0.6339	1.23165	1.56880	1.58034	0.215407	0.527390
4.2	0.6339	1.13533	1.50329	1.52529	0.253259	0.585346
4.3	0.6339	1.02635	1.46927	1.47932	0.301529	0.652948
4.4	0.6339	0.91762	1.35521	1.362888	0.362641	0.726641
4.5	0.6339	0.757761	1.35695	1.345171	0.813047	0.813047
4.6	0.6339	0.63235	1.23165	1.23165	0.912679	0.912679
4.7	0.6339	0.52656	1.17986	1.17986	1.012803	1.012803
4.8	0.6339	0.42852	1.12960	1.12960	1.162341	1.162341
4.9	0.6339	0.32956	1.07562	1.07562	1.21941	1.21941
5.0	0.6339	0.23057	1.02562	1.02562	1.27043	1.27043
5.1	0.6339	0.13167	0.97562	0.97562	1.32057	1.32057
5.2	0.6339	0.03269	0.92562	0.92562	1.37253	1.37253
5.3	0.6339	-0.06302	0.87562	0.87562	1.423672	1.423672
5.4	0.6339	-0.16302	0.82562	0.82562	1.474672	1.474672
5.5	0.6339	-0.26302	0.77562	0.77562	1.525685	1.525685
5.6	0.6339	-0.36302	0.72562	0.72562	1.575687	1.575687
5.7	0.6339	-0.46302	0.67562	0.67562	1.625687	1.625687
5.8	0.6339	-0.56302	0.62562	0.62562	1.675687	1.675687
5.9	0.6339	-0.66302	0.57562	0.57562	1.725687	1.725687
6.0	0.6339	-0.76302	0.52562	0.52562	1.775687	1.775687
6.1	0.6339	-0.86302	0.47562	0.47562	1.825687	1.825687
6.2	0.6339	-0.96302	0.42562	0.42562	1.875687	1.875687
6.3	0.6339	-1.06302	0.37562	0.37562	1.925687	1.925687
6.4	0.6339	-1.16302	0.32562	0.32562	1.975687	1.975687
6.5	0.6339	-1.26302	0.27562	0.27562	2.025687	2.025687
6.6	0.6339	-1.36302	0.22562	0.22562	2.075687	2.075687
6.7	0.6339	-1.46302	0.17562	0.17562	2.125687	2.125687
6.8	0.6339	-1.56302	0.12562	0.12562	2.175687	2.175687
6.9	0.6339	-1.66302	0.07562	0.07562	2.225687	2.225687
7.0	0.6339	-1.76302	0.02562	0.02562	2.275687	2.275687
7.1	0.6339	-1.86302	-0.02562	-0.02562	2.325687	2.325687
7.2	0.6339	-1.96302	-0.07562	-0.07562	2.375687	2.375687
7.3	0.6339	-2.06302	-0.12562	-0.12562	2.425687	2.425687
7.4	0.6339	-2.16302	-0.17562	-0.17562	2.475687	2.475687
7.5	0.6339	-2.26302	-0.22562	-0.22562	2.525687	2.525687
7.6	0.6339	-2.36302	-0.27562	-0.27562	2.575687	2.575687
7.7	0.6339	-2.46302	-0.32562	-0.32562	2.625687	2.625687
7.8	0.6339	-2.56302	-0.37562	-0.37562	2.675687	2.675687
7.9	0.6339	-2.66302	-0.42562	-0.42562	2.725687	2.725687
8.0	0.6339	-2.76302	-0.47562	-0.47562	2.775687	2.775687
8.1	0.6339	-2.86302	-0.52562	-0.52562	2.825687	2.825687
8.2	0.6339	-2.96302	-0.57562	-0.57562	2.875687	2.875687
8.3	0.6339	-3.06302	-0.62562	-0.62562	2.925687	2.925687
8.4	0.6339	-3.16302	-0.67562	-0.67562	2.975687	2.975687
8.5	0.6339	-3.26302	-0.72562	-0.72562	3.025687	3.025687
8.6	0.6339	-3.36302	-0.77562	-0.77562	3.075687	3.075687
8.7	0.6339	-3.46302	-0.82562	-0.82562	3.125687	3.125687
8.8	0.6339	-3.56302	-0.87562	-0.87562	3.175687	3.175687
8.9	0.6339	-3.66302	-0.92562	-0.92562	3.225687	3.225687
9.0	0.6339	-3.76302	-0.97562	-0.97562	3.275687	3.275687
9.1	0.6339	-3.86302	-1.02562	-1.02562	3.325687	3.325687
9.2	0.6339	-3.96302	-1.07562	-1.07562	3.375687	3.375687
9.3	0.6339	-4.06302	-1.12562	-1.12562	3.425687	3.425687
9.4	0.6339	-4.16302	-1.17562	-1.17562	3.475687	3.475687
9.5	0.6339	-4.26302	-1.22562	-1.22562	3.525687	3.525687
9.6	0.6339	-4.36302	-1.27562	-1.27562	3.575687	3.575687
9.7	0.6339	-4.46302	-1.32562	-1.32562	3.625687	3.625687
9.8	0.6339	-4.56302	-1.37562	-1.37562	3.675687	3.675687
9.9	0.6339	-4.66302	-1.42562	-1.42562	3.725687	3.725687
10.0	0.6339	-4.76302	-1.47562	-1.47562	3.775687	3.775687

TABLE I.—Continued

$\frac{1}{\gamma} = 0.66$	$\frac{s^{11}}{D/b}$	$\frac{s}{D/b}$	$\sigma^2$	$s^{202}$	$\frac{(D/b)^2}{s^{11}}$	$\frac{s^{11}}{D/b}$
0	0.0015113	2.38297	2.39293	0.00116171	0.023805	2.233856
0.1	0.07058	2.37037	2.38101	0.00116171	0.023805	2.221171
0.2	0.099168	2.35747	2.36988	0.00108035	0.02533294	2.19628
0.3	0.072695	2.34045	2.35168	0.00108035	0.02533294	2.18038
0.4	0.074129	2.31692	2.31692	0.00108035	0.02533294	2.17985
0.5	0.085214	2.30257	2.31803	0.00648887	0.035837	2.17284
0.6	0.086611	2.28757	2.30203	0.00648887	0.035837	2.17284
0.7	0.0850810	2.28795	2.30203	0.00722008	0.035837	2.17284
0.8	0.0961264	2.20852	2.20852	0.00648887	0.035837	2.17284
0.9	1.002213	2.15361	2.15361	0.00648887	0.035837	2.17284
1.0	1.04552	2.13455	2.13455	0.00648887	0.035837	2.17284
1.1	1.08933	2.10907	2.121767	0.01000105	0.0507362	2.19916
1.2	1.12555	2.085015	2.2085015	0.01000105	0.0507362	2.19916
1.3	1.16855	2.07260	2.201011	0.01000105	0.0507362	2.19916
1.4	1.20908	2.02150	2.20910	0.00648887	0.035837	2.17284
1.5	1.24907	2.02508	2.21882	0.01000105	0.0507362	2.19916
1.6	1.28913	2.020805	2.21966	0.01000105	0.0507362	2.19916
1.7	1.32918	2.01967	2.21967	0.01000105	0.0507362	2.19916
1.8	1.36923	2.015361	2.15361	0.01000105	0.0507362	2.19916
1.9	1.40928	2.01932	2.0932	0.00648887	0.035837	2.17284
2.0	1.44932	2.01932	2.0932	0.00648887	0.035837	2.17284
2.1	1.48937	1.96900	1.96900	0.00648887	0.035837	2.17284
2.2	1.52942	1.88980	1.88980	0.00648887	0.035837	2.17284
2.3	1.56947	1.80960	1.80960	0.00648887	0.035837	2.17284
2.4	1.60952	1.72940	1.72940	0.00648887	0.035837	2.17284
2.5	1.64957	1.64957	1.64957	0.00648887	0.035837	2.17284
2.6	1.68962	1.56937	1.56937	0.00648887	0.035837	2.17284
2.7	1.72967	1.48917	1.48917	0.00648887	0.035837	2.17284
2.8	1.76972	1.40897	1.40897	0.00648887	0.035837	2.17284
2.9	1.80977	1.32876	1.32876	0.00648887	0.035837	2.17284
3.0	1.84982	1.24856	1.24856	0.00648887	0.035837	2.17284
3.1	1.88987	1.16836	1.16836	0.00648887	0.035837	2.17284
3.2	1.92992	1.08816	1.08816	0.00648887	0.035837	2.17284
3.3	1.96997	1.00796	1.00796	0.00648887	0.035837	2.17284
3.4	2.00902	92784	92784	0.00648887	0.035837	2.17284
3.5	2.04907	84764	84764	0.00648887	0.035837	2.17284

$\lambda$	$a$	$b$	$\frac{s_{11}}{D/a}$	$\frac{s_{12}}{D/a}$	$\frac{s}{D/a}$	$a^2$	$\frac{s^2 - a^2}{(D/a)^2}$	$\frac{s^2 - a^2}{D/a}$
3.6	0.259883	1.461726	1.67919	0.128569	0.365196	0.365196	0.365196	1.074788
3.7	0.285571	1.392809	1.69000	0.148878	0.208788	0.208788	0.208788	1.009866
3.8	0.31192	1.250567	1.71555	0.148878	0.208788	0.208788	0.208788	0.929099
3.9	0.338204	1.149467	1.71791	0.148878	0.208788	0.208788	0.208788	0.885766
4.0	0.364580	1.06849	1.71791	0.148878	0.208788	0.208788	0.208788	0.847666
4.1	0.392336	1.06849	1.71791	0.148878	0.208788	0.208788	0.208788	0.809961
4.2	0.419738	0.95939	1.72050	0.148878	0.208788	0.208788	0.208788	0.761021
4.3	0.447192	0.85535	1.72050	0.148878	0.208788	0.208788	0.208788	0.727468
4.4	0.474580	0.68706	1.72179	0.148878	0.208788	0.208788	0.208788	0.691705
4.5	0.501963	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	0.657468
4.6	0.529336	0.85180	1.72520	0.148878	0.208788	0.208788	0.208788	0.621050
4.7	0.556738	0.95939	1.72520	0.148878	0.208788	0.208788	0.208788	0.585392
4.8	0.584192	0.85535	1.72520	0.148878	0.208788	0.208788	0.208788	0.55392
4.9	0.611566	0.68706	1.72520	0.148878	0.208788	0.208788	0.208788	0.521517
5.0	0.63890	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	0.49016
5.1	0.666264	0.85180	1.72520	0.148878	0.208788	0.208788	0.208788	0.45977
5.2	0.693628	0.95939	1.72520	0.148878	0.208788	0.208788	0.208788	0.429357
5.3	0.720992	0.85535	1.72520	0.148878	0.208788	0.208788	0.208788	0.39893
5.4	0.748356	0.68706	1.72520	0.148878	0.208788	0.208788	0.208788	0.368515
5.5	0.775720	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	0.338095
5.6	0.803084	0.85180	1.72520	0.148878	0.208788	0.208788	0.208788	0.307673
5.7	0.830448	0.95939	1.72520	0.148878	0.208788	0.208788	0.208788	0.277250
5.8	0.857812	0.85535	1.72520	0.148878	0.208788	0.208788	0.208788	0.246829
5.9	0.885176	0.68706	1.72520	0.148878	0.208788	0.208788	0.208788	0.216408
6.0	0.912540	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	0.185987
6.1	0.939883	0.85180	1.72520	0.148878	0.208788	0.208788	0.208788	0.155566
6.2	0.967247	0.95939	1.72520	0.148878	0.208788	0.208788	0.208788	0.125137
6.3	0.994611	0.85535	1.72520	0.148878	0.208788	0.208788	0.208788	0.094718
6.4	0.101975	0.68706	1.72520	0.148878	0.208788	0.208788	0.208788	0.064297
6.5	0.129336	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	0.033876
6.6	0.156699	0.85180	1.72520	0.148878	0.208788	0.208788	0.208788	0.003455
6.7	0.184063	0.95939	1.72520	0.148878	0.208788	0.208788	0.208788	-0.033876
6.8	0.211427	0.85535	1.72520	0.148878	0.208788	0.208788	0.208788	-0.064297
6.9	0.238791	0.68706	1.72520	0.148878	0.208788	0.208788	0.208788	-0.094718
7.0	0.266155	0.76263	1.72520	0.148878	0.208788	0.208788	0.208788	-0.125137

TABLE I.- Continued

TABLE I.- Continued

$\lambda$	$c$	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
$\frac{\lambda}{b} = 0.68$						
0	0.0714738	2.31370	2.32558	0.00510850	0.0276284	2.15926
.1	0.0742598	2.30081	2.31357	0.00511451	0.02951669	2.14116
.2	0.0771726	2.28761	2.30131	0.00525561	0.015412	2.12372
.3	0.0802199	2.27408	2.28851	0.00643523	0.01371119	2.10520
.4	0.0834098	2.26620	2.27604	0.00695719	0.026407	2.08620
.5	0.0867552	2.24596	2.26299	0.00752577	0.085406	2.05668
.6	0.0902538	2.22134	2.24966	0.00814574	0.012254	2.04662
.7	0.0932758	2.21630	2.23603	0.00882443	0.041106	2.02600
.8	0.0977845	2.20083	2.22208	0.00956181	0.072128	2.00480
.9	0.101836	2.18491	2.20781	0.013706	0.050506	1.98297
1.0	0.106096	2.16850	2.19319	0.012564	0.041440	1.96050
1.1	0.110579	2.15157	2.17820	0.0122274	0.0580154	1.93734
1.2	0.115301	2.13609	2.16284	0.012947	0.021890	1.91377
1.3	0.120278	2.11602	2.14709	0.014666	0.066917	1.88847
1.4	0.125531	2.09733	2.13091	0.0157580	0.0715524	1.86244
1.5	0.131079	2.07977	2.11429	0.0171818	0.0768066	1.83715
1.6	0.136947	2.05788	2.09721	0.0187545	0.0824879	1.81001
1.7	0.143159	2.03702	2.07964	0.0204945	0.086372	1.78192
1.8	0.149744	2.01522	2.04562	0.0242523	0.095294	1.75285
1.9	0.156733	1.98724	2.04293	0.0245625	0.102524	1.72273
2.0	0.164161	1.96918	2.02372	0.0269488	0.110367	1.69150
2.1	0.172066	1.94457	2.00390	0.0296065	0.118888	1.65910
2.2	0.180492	1.91682	1.98343	0.0325772	0.128159	1.62511
2.3	0.189488	1.89182	1.96228	0.0359055	0.138255	1.59045
2.4	0.199106	1.86446	1.94039	0.0296441	0.149264	1.55404
2.5	0.209416	1.83362	1.91772	0.0385550	0.161283	1.51612
2.6	0.220481	1.80214	1.89422	0.04861119	0.174422	1.47658
2.7	0.232384	1.76885	1.86983	0.0540025	0.188607	1.43521
2.8	0.245218	1.73257	1.84449	0.0601318	0.20576	1.39219
2.9	0.259088	1.69058	1.81813	0.0671264	0.221892	1.34707
3.0	0.274116	1.65612	1.79067	0.0751397	0.240936	1.29982
3.1	0.290446	1.61740	1.76204	0.08435590	0.261917	1.25086
3.2	0.308244	1.56756	1.73214	0.0950145	0.285073	1.19852
3.3	0.327706	1.52821	1.70087	0.107392	0.310679	1.16681
3.4	0.349065	1.46386	1.64287	0.121847	0.339052	1.08583
3.5	0.372598	1.40694	1.63375	0.138830	0.370557	1.02502

$\lambda$	$c$	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
$\frac{\lambda}{b} = 0.68$						
0	0.0714738	2.31370	2.32558	0.00510850	0.0276284	2.15926
.1	0.0742598	2.30081	2.31357	0.00511451	0.02951669	2.14116
.2	0.0771726	2.28761	2.30131	0.00525561	0.015412	2.12372
.3	0.0802199	2.27408	2.28851	0.00643523	0.01371119	2.10520
.4	0.0834098	2.26620	2.27604	0.00695719	0.026407	2.08620
.5	0.0867552	2.24596	2.26299	0.00752577	0.085406	2.05668
.6	0.0902538	2.22134	2.24966	0.00814574	0.012254	2.04662
.7	0.0932758	2.21630	2.23603	0.00882443	0.041106	2.02600
.8	0.0977845	2.20083	2.22208	0.00956181	0.072128	2.00480
.9	0.101836	2.18491	2.20781	0.013706	0.050506	1.98297
1.0	0.106096	2.16850	2.19319	0.012564	0.041440	1.96050
1.1	0.110579	2.15157	2.17820	0.0122274	0.0580154	1.93734
1.2	0.115301	2.13609	2.16284	0.012947	0.021890	1.91377
1.3	0.120278	2.11602	2.14709	0.014666	0.066917	1.88847
1.4	0.125531	2.09733	2.13091	0.0157580	0.0715524	1.86244
1.5	0.131079	2.07977	2.11429	0.0171818	0.0768066	1.83715
1.6	0.136947	2.05788	2.09721	0.0187545	0.0824879	1.81001
1.7	0.143159	2.03702	2.07964	0.0204945	0.086372	1.78192
1.8	0.149744	2.01522	2.04562	0.0242523	0.095294	1.75285
1.9	0.156733	1.98724	2.04293	0.0245625	0.102524	1.72273
2.0	0.164161	1.96918	2.02372	0.0269488	0.110367	1.69150
2.1	0.172066	1.94457	2.00390	0.0296065	0.118888	1.65910
2.2	0.180492	1.91682	1.98343	0.0325772	0.128159	1.62511
2.3	0.189488	1.89182	1.96228	0.0359055	0.138255	1.59045
2.4	0.199106	1.86446	1.94039	0.0296441	0.149264	1.55404
2.5	0.209416	1.83362	1.91772	0.0385550	0.161283	1.51612
2.6	0.220481	1.80214	1.89422	0.04861119	0.174422	1.47658
2.7	0.232384	1.76885	1.86983	0.0540025	0.188607	1.43521
2.8	0.245218	1.73257	1.84449	0.0601318	0.20576	1.39219
2.9	0.259088	1.69058	1.81813	0.0671264	0.221892	1.34707
3.0	0.274116	1.65612	1.79067	0.0751397	0.240936	1.29982
3.1	0.290446	1.61740	1.76204	0.08435590	0.261917	1.25086
3.2	0.308244	1.56756	1.73214	0.0950145	0.285073	1.19852
3.3	0.327706	1.52821	1.70087	0.107392	0.310679	1.16681
3.4	0.349065	1.46386	1.64287	0.121847	0.339052	1.08583
3.5	0.372598	1.40694	1.63375	0.138830	0.370557	1.02502
$\frac{\lambda}{b} = 0.68$						
0	0.0714738	2.31370	2.32558	0.00510850	0.0276284	2.15926
.1	0.0742598	2.30081	2.31357	0.00511451	0.02951669	2.14116
.2	0.0771726	2.28761	2.30131	0.00525561	0.015412	2.12372
.3	0.0802199	2.27408	2.28851	0.00643523	0.01371119	2.10520
.4	0.0834098	2.26620	2.27604	0.00695719	0.026407	2.08620
.5	0.0867552	2.24596	2.26299	0.00752577	0.085406	2.05668
.6	0.0902538	2.22134	2.24966	0.00814574	0.012254	2.04662
.7	0.0932758	2.21630	2.23603	0.00882443	0.041106	2.02600
.8	0.0977845	2.20083	2.22208	0.00956181	0.072128	2.00480
.9	0.101836	2.18491	2.20781	0.013706	0.050506	1.98297
1.0	0.106096	2.16850	2.19319	0.012564	0.041440	1.96050
1.1	0.110579	2.15157	2.17820	0.0122274	0.0580154	1.93734
1.2	0.115301	2.13609	2.16284	0.012947	0.021890	1.91377
1.3	0.120278	2.11602	2.14709	0.014666	0.066917	1.88847
1.4	0.125531	2.09733	2.13091	0.0157580	0.0715524	1.86244
1.5	0.131079	2.07977	2.11429	0.0171818	0.0768066	1.83715
1.6	0.136947	2.05788	2.09721	0.0187545	0.0824879	1.81001
1.7	0.143159	2.03702	2.07964	0.0204945	0.086372	1.78192
1.8	0.149744	2.01522	2.04562	0.0242523	0.095294	1.75285
1.9	0.156733	1.98724	2.04293	0.0245625	0.102524	1.72273
2.0	0.164161	1.96918	2.02372	0.0269488	0.110367	1.69150
2.1	0.172066	1.94457	2.00390	0.0296065	0.118888	1.65910
2.2	0.180492	1.91682	1.98343	0.0325772	0.128159	1.62511
2.3	0.189488	1.89182	1.96228	0.0359055	0.138255	1.59045
2.4	0.199106	1.86446	1.94039	0.0296441	0.149264	1.55404
2.5	0.209416	1.83362	1.91772	0.0385550	0.161283	1.51612
2.6	0.220481	1.80214	1.89422	0.04861119	0.174422	1.47658
2.7	0.232384	1.76885	1.86983	0.0540025	0.188607	1.43521
2.8	0.245218	1.73257	1.84449	0.0601318	0.20576	1.39219
2.9	0.259088	1.69058	1.81813	0.0671264	0.221892	1.34707
3.0	0.274116	1.65612	1.79067	0.0751397	0.240936	1.29982
3.1	0.290446	1.61740	1.76204	0.08435590	0.261917	1.25086
3.2	0.308244	1.56756	1.73214	0.0950145	0.285073	1.19852
3.3	0.327706	1.52821	1.70087	0.107392	0.310679	1.16681
3.4	0.349065	1.46386	1.64287	0.121847	0.339052	1.08583
3.5	0.372598	1.40694	1.63375	0.138830	0.370557	1.02502

TABLE I.—Continued

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\sigma^2$	$\frac{\sigma^2 - \bar{\sigma}^2}{(\bar{D}/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{\bar{\lambda}} = 0.70$						
0	0.0786265	2.24853	2.26258	0.0061823	0.0316462	2.08162
.1	0.081536	2.23538	2.20538	0.0062670	0.032747	2.06663
.2	0.08180	2.22190	2.2800	0.0071160	0.030326	2.01018
.3	0.08285	2.20807	2.22516	0.0073633	0.0294620	2.02974
.4	0.095938	2.19389	2.21245	0.0096552	0.0209680	2.00960
.5	0.095237	2.17931	2.19925	0.0090675	0.0138572	1.98935
.6	0.098286	2.16433	2.18777	0.0080667	0.0168521	1.96911
.7	0.1020	2.1520	2.19192	0.016192	0.016192	1.94892
.8	0.10710	2.13305	2.1178	0.0173633	0.0572305	1.92651
.9	0.11612	2.11612	2.11670	0.01572	0.01572	1.90018
1.0	0.11641	2.09948	2.21260	0.015520	0.012219	1.88117
1.1	0.12112	2.08243	2.11337	0.0146682	0.0551668	1.85747
1.2	0.12624	2.06742	2.06742	0.01567	0.01567	1.80781
1.3	0.13755	2.04582	2.04582	0.0188693	0.083053	1.78178
1.4	0.13766	2.02953	2.02953	0.0205635	0.083053	1.75048
1.5	0.13400	2.00653	2.01882	0.0205635	0.0205635	1.65571
1.6	0.14983	1.98577	2.03134	0.024700	0.0257339	1.72708
1.7	0.15262	1.96118	2.01552	0.0250504	0.0995117	1.9832
1.8	0.15306	1.95169	2.01552	0.0250504	0.0995117	1.96835
1.9	0.17149	1.94270	1.99558	0.0252188	0.0252188	1.94270
2.0	0.17910	1.93767	1.95968	0.0252188	0.0252188	1.93767
2.1	0.188026	1.86819	1.93666	0.0253536	0.0253536	1.86819
2.2	0.214890	1.71923	1.97233	0.0254734	0.0254734	1.71923
2.3	0.207028	1.87232	1.87232	0.025807	0.025807	1.87232
2.4	0.228792	1.75231	1.75231	0.0261726	0.0261726	1.75231
2.5	0.283185	1.56553	1.75354	0.0274726	0.0274726	1.56553
2.6	0.299578	1.48358	1.68358	0.0285536	0.0285536	1.48358
2.7	0.2539616	1.84358	1.84358	0.0288693	0.0288693	1.84358
2.8	0.2676923	1.8320	1.8320	0.028907	0.028907	1.8320
2.9	0.283185	1.71955	1.71955	0.029115	0.029115	1.71955
3.0	0.299578	1.56553	1.71955	0.0296807	0.0296807	1.56553
3.1	0.317628	1.52029	1.52029	0.0309161	0.0309161	1.52029
3.2	0.3586727	1.47195	1.47195	0.0318093	0.0318093	1.47195
3.3	0.382269	1.30025	1.30025	0.032269	0.032269	1.30025
3.4	0.408306	1.166714	1.166714	0.03405919	0.03405919	1.166714

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\sigma^2$	$\frac{\sigma^2 - \bar{\sigma}^2}{(\bar{D}/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{\bar{\lambda}} = 0.70$						
0	0.0786265	2.24853	2.26258	0.0061823	0.0316462	2.08162
.1	0.081536	2.23538	2.20538	0.0062670	0.032747	2.06663
.2	0.08180	2.22190	2.2800	0.0071160	0.030326	2.01018
.3	0.08285	2.20807	2.22516	0.0073633	0.0294620	2.02974
.4	0.095938	2.19389	2.21245	0.0096552	0.0209680	2.00960
.5	0.095237	2.17931	2.19925	0.0090675	0.0138572	1.98935
.6	0.098286	2.16433	2.18777	0.0080667	0.0168521	1.96911
.7	0.1020	2.1520	2.19192	0.016192	0.016192	1.94892
.8	0.10710	2.13305	2.1178	0.0173633	0.0572305	1.92651
.9	0.11612	2.11612	2.11670	0.01572	0.01572	1.90018
1.0	0.11641	2.09948	2.21260	0.015520	0.012219	1.88117
1.1	0.12112	2.08243	2.11337	0.0146682	0.0551668	1.85747
1.2	0.12624	2.06742	2.06742	0.01567	0.01567	1.80781
1.3	0.13755	2.04582	2.04582	0.0188693	0.083053	1.78178
1.4	0.13766	2.02953	2.02953	0.0205635	0.083053	1.75048
1.5	0.13400	2.00653	2.01882	0.0205635	0.0205635	1.65571
1.6	0.14983	1.98577	2.03134	0.024700	0.0257339	1.72708
1.7	0.15262	1.96118	2.01552	0.0250504	0.0995117	1.9832
1.8	0.15306	1.95169	2.01552	0.0250504	0.0995117	1.96835
1.9	0.17149	1.94270	1.99558	0.0252188	0.0252188	1.94270
2.0	0.17910	1.93767	1.95968	0.0252188	0.0252188	1.93767
2.1	0.188026	1.86819	1.93666	0.0253536	0.0253536	1.86819
2.2	0.214890	1.71923	1.97233	0.0254734	0.0254734	1.71923
2.3	0.207028	1.87232	1.87232	0.025807	0.025807	1.87232
2.4	0.228792	1.75231	1.75231	0.0261726	0.0261726	1.75231
2.5	0.283185	1.56553	1.75354	0.0274726	0.0274726	1.56553
2.6	0.299578	1.48358	1.68358	0.0285536	0.0285536	1.48358
2.7	0.2539616	1.84358	1.84358	0.0288693	0.0288693	1.84358
2.8	0.2676923	1.8320	1.8320	0.029115	0.029115	1.8320
2.9	0.283185	1.71955	1.71955	0.0296807	0.0296807	1.71955
3.0	0.299578	1.56553	1.71955	0.0309161	0.0309161	1.56553
3.1	0.317628	1.52029	1.52029	0.0318093	0.0318093	1.52029
3.2	0.3586727	1.47195	1.47195	0.032269	0.032269	1.47195
3.3	0.382269	1.30025	1.30025	0.03405919	0.03405919	1.30025
3.4	0.408306	1.166714	1.166714	0.0379151	0.0379151	1.166714

TABLE I.- Continued

$\frac{\lambda}{D}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
$\frac{\lambda}{D} = 0.72$						
0	0.085931	2.18715	2.20341	0.00738502	0.0358546	2.01406
0.1	0.088201	2.17575	2.19118	0.00765693	0.0382036	1.99873
0.2	0.091614	2.16001	2.17871	0.00925177	0.0407156	1.97692
0.3	0.095181	2.15951	2.17591	0.00925177	0.0430746	1.95762
0.4	0.098922	2.15262	2.17133	0.0107824	0.0462802	1.93780
0.5	0.103838	2.11655	2.13962	0.0107824	0.0493615	1.91744
0.6	0.107924	2.10124	2.12601	0.0116514	0.0526634	1.89563
0.7	0.112494	2.05548	2.11209	0.0125991	0.0562036	1.8702
0.8	0.117152	2.06924	2.09784	0.0136338	0.0600018	1.85289
0.9	0.121511	2.08250	2.08376	0.0147676	0.0640791	1.83019
1.0	0.125503	2.05521	2.06831	0.0160029	0.0684589	1.80666
1.1	0.131756	2.01735	2.05299	0.0173297	0.0731668	1.78950
1.2	0.137295	1.99887	2.03727	0.0184846	0.0782309	1.75158
1.3	0.143126	1.96794	2.02115	0.0204850	0.0836821	1.73187
1.4	0.149286	1.95991	2.00459	0.0222865	0.0895545	1.70523
1.5	0.155796	1.93932	1.98757	0.0242723	0.0958856	1.67791
1.6	0.162682	1.91793	1.97007	0.0264656	0.102717	1.64957
1.7	0.169477	1.89696	1.95206	0.0288921	0.11009	1.62035
1.8	0.177745	1.93352	1.93526	0.0315820	0.11809	1.58991
1.9	0.185929	1.84823	1.91441	0.0345697	0.126692	1.55846
2.0	0.194667	1.82890	1.89470	0.0378953	0.136040	1.52587
2.1	0.203974	1.79633	1.87436	0.0416055	0.146170	1.49204
2.2	0.213904	1.76855	1.85335	0.0457547	0.157164	1.45561
2.3	0.224515	1.75930	1.83193	0.0494069	0.169108	1.42040
2.4	0.235876	1.70849	1.80915	0.0563733	0.182102	1.38241
2.5	0.248062	1.67062	1.78536	0.0615350	0.196253	1.34285
2.6	0.261163	1.61155	1.76171	0.0682066	0.211686	1.30162
2.7	0.275277	1.60505	1.73695	0.0757772	0.228540	1.25859
2.8	0.290519	1.56622	1.71060	0.0844012	0.246971	1.21264
2.9	0.307022	1.52811	1.68350	0.0942628	0.267158	1.16663
3.0	0.324942	1.48050	1.65528	0.105587	0.289302	1.11744
3.1	0.344457	1.43293	1.62584	0.1186551	0.313635	1.06581
3.2	0.365781	1.38688	1.59510	0.133796	0.340421	1.01164
3.3	0.38165	1.32624	1.56204	0.151479	0.369960	9.54701
3.4	0.414909	1.26691	1.52927	0.172149	0.402601	8.94763
3.5	0.433737	1.20027	1.49395	0.196580	0.438743	8.31571

$\frac{\lambda}{D}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
$\frac{\lambda}{D} = 0.72$						
3.6	0	0.474967	1.12814	1.45683	0.225622	0.764812
3.7	0.510235	1.04955	1.41777	0.260423	0.694217	
3.8	0.560128	1.06967	1.65757	0.292497	0.616070	
3.9	0.594755	1.09711	1.33304	0.353876	0.555569	
4.0	0.645011	1.04865	1.28695	0.417350	0.691206	
4.1	0.704778	1.23805	1.96712	0.761347	0.365501	
4.2	0.7712979	1.18035	1.18035	0.840485	0.269255	
4.3	0.8302303	1.10505	1.07125	0.930085	0.166125	
4.4	0.8926316	1.0765	1.13074	1.01164	0.055431	
4.5	0.9530375	1.06336	1.14810	0.0638449	0.0000000	
4.6	1.20517	1.24932	1.45243	1.28125	-1.192638	
4.7	1.28408	1.29288	1.95157	1.43457	-1.323267	
4.8	1.61627	1.26725	1.35151	1.62120	-1.484300	
4.9	1.93112	1.20957	1.72924	1.81855	-1.650219	
5.0	2.37945	1.28120	1.66222	2.06042	-1.832183	
5.1	3.07009	1.20309	1.42547	2.34559	-1.03268	
5.2	4.27028	1.21273	1.23537	2.68434	-1.25424	
5.3	5.6129	1.18250	1.25682	3.09011	-1.50246	
5.4	6.11273	1.15290	1.24112	3.8068	-1.77927	
5.5	7.51290	1.12546	1.13002	4.18002	-2.09223	
5.6	11.3002	1.07233	1.15354	6.25932	0.0000000	
5.7	12.8683	1.04408	1.23077	9.2094	-2.44810	
5.8	12.83674	1.02077	1.29615	5.81936	-2.35924	
5.9	13.86745	1.00069	1.21175	7.03096	-3.32221	
6.0	14.88557	9.80777	1.151779	8.52077	-3.29002	
6.1	14.83674	9.680615	1.13002	10.5897	-4.54488	
6.2	15.86745	9.680615	1.13002	10.5897	-4.54488	
6.3	16.86745	9.680615	1.13002	10.5897	-4.54488	
6.4	17.86745	9.680615	1.13002	10.5897	-4.54488	
6.5	18.86745	9.680615	1.13002	10.5897	-4.54488	
6.6	19.86745	9.680615	1.13002	10.5897	-4.54488	
6.7	20.86745	9.680615	1.13002	10.5897	-4.54488	
6.8	21.86745	9.680615	1.13002	10.5897	-4.54488	
6.9	22.86745	9.680615	1.13002	10.5897	-4.54488	
7.0	23.86745	9.680615	1.13002	10.5897	-4.54488	

TABLE I.—Continued

$\frac{\lambda}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$	$\frac{s^V}{D/b}$	$\frac{s^VI}{D/b}$	$\frac{s^V}{D/b}^2$	$\frac{s^VI}{D/b}$
$\frac{\lambda}{b} = 0.74$										
0	0.933701 •0.068704	2.12925 2.11565	2.14798 2.13567	0.00571797 •0.00937387	0.0402270 •0.0428017	1.97472 1.92879	0.511581 •0.519843	1.03118 1.947109	0.261715 1.25753	0.510567 •0.55752
0.1	•100629 •10455	2.10165 2.08730	2.12311 2.11028	1.90691 1.89006	•0.455541 •0.484965	1.90679 1.88695	•0.355319 •0.35519	•0.257527 •0.255327	•0.268976 •0.266846	•0.535826 •0.455974
0.2	•105620 •112554	2.07255 2.05738	2.09118 2.08378	1.91619 1.89694	•0.516425 •0.550078	1.86900 1.849624	•0.61694 •0.62642	•0.257511 •0.25642	•0.735711 •0.73585	•0.35571 •0.371097
0.3	•11649 •121559	2.04177 2.02569	2.00909 2.00607	1.96771 1.94771	•0.586508 •0.624673	1.82799 1.80614	4.1 4.2 4.3 4.4 4.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.4	•126198 •121882	2.00911 1.99200	2.04173 2.02705	1.95965 1.92855	•0.666008 •0.70327	1.78366 1.76053	4.1 4.2 4.3 4.4 4.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.5	•136827 •142152	1.97433 1.95606	2.01200 1.95657	1.97216 1.96657	•0.757877 •0.802927	1.87279 1.71215	4.1 4.2 4.3 4.4 4.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.6	•14876 •15427	1.93714 1.91754	1.92075 1.90651	1.90679 1.89695	•0.863711 •0.922767	1.68685 1.66074	4.1 4.2 4.3 4.4 4.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.7	•163223 •166394	1.89720 1.87607	1.89720 1.87607	1.9483 1.93669	•0.986118 •0.282891	1.63376 1.60596	5.0 5.0	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.8	•175568 •183380	1.85409 1.83120	1.91306 1.89693	1.87412 1.8625	•0.308926 •0.32623	1.71215 1.68685	5.1 5.2 5.3 5.4 5.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
0.9	•19166 •200967	1.80733 1.78628	1.8625 1.85701	1.8625 1.8571	•0.367560 •0.404871	1.69322 1.67560	5.1 5.2 5.3 5.4 5.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.0	•209829 •219602	1.78238 1.75627	1.78238 1.75627	1.78238 1.75627	•0.404021 •0.440421	1.63376 1.60462	5.1 5.2 5.3 5.4 5.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.1	•230444 •241820	1.70017 1.66992	1.79524 1.7364	1.79524 1.7364	•0.52103 •0.584103	1.38177 1.34745	5.1 5.2 5.3 5.4 5.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.2	•254003 •267076	1.63803 1.60433	1.75100 1.72756	1.75100 1.72756	•0.645173 •0.713294	1.30624 1.28617	5.1 5.2 5.3 5.4 5.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.3	•281134 •296287	1.56863 1.53071	1.70325 1.68802	1.70325 1.68802	•0.790365 •0.877860	1.22441 1.18084	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.4	•312659 •330296	1.49033 1.44720	1.65180 1.6254	1.65180 1.6254	•0.977558 •1.045273	1.15535 1.109162	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.5	•349667 •477573	1.40099 1.40130	1.55614 1.53130	1.55614 1.53130	•1.03802 •1.122267	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.6	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.7	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.8	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
1.9	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.0	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.1	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.2	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.3	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.4	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.5	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.6	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.7	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.8	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
2.9	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.0	•477573 •446622	1.40130 1.40130	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.1	•370669 •393635	1.35130 1.29768	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.2	•370669 •393635	1.35130 1.29768	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.3	•370669 •418843	1.35130 1.23958	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.4	•370669 •446622	1.35130 1.23958	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387
3.5	•370669 •477573	1.35130 1.23958	1.55614 1.53130	1.55614 1.53130	•1.122267 •1.154969	1.03802 1.011495	6.1 6.2 6.3 6.4 6.5	1.03118 1.86342 1.92437 1.90923 1.91529	1.17747 1.12544 1.15728 1.07002 1.06081	•0.510567 •0.55752 •0.54462 •0.50994 •0.47387

TABLE I.- Continued

TABLE I.- Continued

$\frac{\lambda}{D} = 0.76$	$\frac{S}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{SII}{D/b}$	$\frac{c}{D/b}$	$\kappa$
0	0.10090	2.0716	2.0959	0.01180	0.01180	1.8814
.1	.10493	2.0608	2.0836	.010717	.010717	1.8676
.2	.10553	2.0666	2.0710	.012020	.012020	1.8051
.3	.11260	2.0520	2.0581	.012569	.012569	1.7188
.4	.11687	2.0170	2.0149	.012132	.012132	1.7850
.5	.12133	2.0016	2.0315	.011421	.011421	1.6985?
.6	.12601	1.9957	2.0177	.015879	.015879	1.7635
.7	.13092	1.9693	2.0036	.017159	.017159	1.7173
.8	.13607	1.9524	1.9892	.018512	.018512	1.7186
.9	.14148	1.9350	1.9757	.020036	.020036	1.6951
1.0	.14716	1.9139	1.9594	.021657	.021657	1.6770
1.1	.15315	1.8987	1.9439	.025454	.025454	1.6462
1.2	.15945	1.8760	1.9280	.029545	.029545	1.6206
1.3	.16510	1.8417	1.8859	.027589	.027589	1.5924
1.4	.17311	1.8382	1.8749	.029968	.029968	1.5669
1.5	.18053	1.8195	1.8477	.032590	.032590	1.5387
1.6	.18837	1.7940	1.8600	.035183	.035183	1.5097
1.7	.19668	1.7706	1.8218	.038682	.038682	1.4822
1.8	.20549	1.7471	1.8231	.042226	.042226	1.4532
1.9	.21485	1.7205	1.8038	.046159	.046159	1.4268
2.0	.22480	1.6937	1.7838	.050536	.050536	1.3828
2.1	.23541	1.6656	1.6333	.055417	.055417	1.3482
2.2	.24673	1.6320	1.6210	.060755	.060755	1.3120
2.3	.25883	1.6049	1.6049	.066295	.066295	1.2749
2.4	.27179	1.5720	1.6974	.07369	.07369	1.2361
2.5	.28570	1.5537	1.6139	.081623	.081623	2.2870
2.6	.30066	1.5001	1.6195	.090395	.090395	1.1536
2.7	.31679	1.4612	1.5972	.100355	.100355	1.1067
2.8	.33422	1.4195	1.5980	.11170	.11170	1.0639
2.9	.35311	1.3748	1.5706	.12496	.12496	1.0160
3.0	.37364	1.3269	1.5522	.13961	.13961	.96598
3.1	.39603	1.2754	1.5126	.15684	.15684	1.5156
3.2	.42052	1.2196	1.4847	.17683	.17683	1.1592
3.3	.45717	1.1707	1.4523	.20018	.20018	1.0932
3.4	.50093	1.0212	1.3801	.22760	.22760	1.3801
3.5	.56093	1.0213	1.3803	.26003	.26003	1.3801

$\frac{\lambda}{D} = 0.76$	$\frac{S}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{SIV}{D/b}$	$\frac{SII}{D/b}$	$\frac{c}{D/b}$	$\kappa$
3.6	0.51651	0.94180	0.94180	1.3429	0.29867	0.60899
3.7	0.51746	0.85383	1.3038	1.3038	0.24511	0.58662
3.8	0.51750	0.75572	1.2626	1.2626	0.2045	0.56655
3.9	0.51752	0.65550	1.2191	1.2191	0.17562	0.69292
4.0	0.52061	0.52061	1.1732	1.1732	0.55624	0.76559
4.1	0.52148	0.37774	1.1245	1.1245	0.66109	0.83977
4.2	0.52148	0.21248	1.0729	1.0729	0.80165	0.92306
4.3	0.52148	0.18885	1.0179	1.0179	0.98117	1.01669
4.4	0.52148	0.10069	0.9922	0.9922	1.2204	1.1229
4.5	0.52148	0.21111	1.0407	1.0407	1.54569	1.2432
4.6	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
4.7	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
4.8	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
4.9	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.0	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.1	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.2	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.3	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.4	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.5	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.6	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.7	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.8	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
5.9	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.0	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.1	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.2	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.3	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.4	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.5	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.6	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.7	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.8	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
6.9	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432
7.0	0.52148	0.19025	1.2111	1.2111	1.54569	1.2432

TABLE I.—Continued

$\lambda$	0	$\frac{g_{11}}{D/b}$	$\frac{g_{12}}{D/b}$	$\frac{g_{13}}{D/b}$	$\frac{g_{20}^2}{(D/b)^2}$	$\frac{g_{11}^2}{D/b}$	$\frac{g_{12}^2}{D/b}$	$\frac{g_{13}^2}{D/b}$	$\frac{g_{11}g_{12}}{D/b}$	$\frac{g_{11}g_{13}}{D/b}$	$\frac{g_{12}g_{13}}{D/b}$
$\lambda = 0.78$											
0	0.10969	2.0229	2.01470	2.0346	$\frac{s}{D/b}$	$c^2$	$\frac{g_{11}^2}{D/b}$	$\frac{g_{12}^2}{D/b}$	$\frac{g_{13}^2}{D/b}$	$\frac{g_{11}g_{12}}{D/b}$	$\frac{g_{11}g_{13}}{D/b}$
.1	.11247	2.0089	2.011770	0.011770	0.019321	1.8429	0.52521	0.52521	0.52521	0.52521	0.52521
.2	.11577	1.9945	2.0220	0.013589	1.7823	1.8558	0.52521	0.52521	0.52521	0.52521	0.52521
.3	.12089	1.9797	2.0091	0.055559	1.6662	1.7456	3.7	3.7	3.7	3.7	3.7
.4	.13013	1.9685	1.9659	0.05727	1.7241	1.7241	3.7	3.7	3.7	3.7	3.7
.5	.13508	1.9488	1.9682	0.065554	1.7241	1.7241	3.7	3.7	3.7	3.7	3.7
.6	.15058	1.9327	1.9686	0.08247	1.7027	1.7027	4.1	4.1	4.1	4.1	4.1
.7	.17128	1.9191	1.9645	0.10979	1.6807	1.6807	4.1	4.1	4.1	4.1	4.1
.8	.17575	1.8899	1.9401	0.21237	1.6574	1.6574	4.1	4.1	4.1	4.1	4.1
.9	.17547	1.8823	1.9523	0.22979	1.6297	1.6297	4.1	4.1	4.1	4.1	4.1
1.0	.17409	1.8628	1.9628	0.24796	1.6094	1.6094	4.1	4.1	4.1	4.1	4.1
1.1	.16380	1.8378	1.8947	0.26829	0.96311	1.5843	4.6	4.6	4.6	4.6	4.6
1.2	.17046	1.8242	1.8788	0.29057	1.0256	1.5585	4.7	4.7	4.7	4.7	4.7
1.3	.17749	1.8037	1.8825	0.31502	1.0697	1.5319	4.9	4.9	4.9	4.9	4.9
1.4	.18760	1.7825	1.7825	0.3186	1.1047	1.5044	5.0	5.0	5.0	5.0	5.0
1.5	.19274	1.7605	1.8281	0.37117	1.1241	1.4760	5.0	5.0	5.0	5.0	5.0
1.6	.20102	1.7375	1.8107	0.41110	1.14467	1.4467	5.2	5.2	5.2	5.2	5.2
1.7	.20980	1.7132	1.7925	0.45016	1.16647	1.36647	5.2	5.2	5.2	5.2	5.2
1.8	.23911	1.6733	1.7851	0.50008	1.1505	1.3851	5.2	5.2	5.2	5.2	5.2
1.9	.22899	1.6625	1.7551	0.52438	1.16339	1.3526	5.2	5.2	5.2	5.2	5.2
2.0	.23951	1.63349	1.7334	0.57364	1.17257	1.3190	5.2	5.2	5.2	5.2	5.2
2.1	.25071	1.6062	1.7139	0.62855	1.1863	1.2812	5.6	5.6	5.6	5.6	5.6
2.2	.25276	1.5759	1.6929	0.68961	1.19763	1.2781	5.7	5.7	5.7	5.7	5.7
2.3	.27500	1.5547	1.6625	0.75866	1.2107	1.2107	5.7	5.7	5.7	5.7	5.7
2.4	.2912	1.5102	1.6480	0.83562	2.2703	1.1715	5.9	5.9	5.9	5.9	5.9
2.5	.30381	1.4716	1.6245	0.92301	2.4359	1.1310	5.9	5.9	5.9	5.9	5.9
2.6	.31961	1.4367	1.6002	1.0215	2.6156	1.0887	6.1	6.1	6.1	6.1	6.1
2.7	.32664	1.3964	1.5749	1.1332	2.8109	1.0477	6.2	6.2	6.2	6.2	6.2
2.8	.35505	1.3535	1.5479	1.2062	3.0235	0.9687	6.3	6.3	6.3	6.3	6.3
2.9	.37500	1.3075	1.5245	1.2407	3.2552	0.9502	6.4	6.4	6.4	6.4	6.4
3.0	.39668	1.2582	1.4961	1.35081	2.4130	1.1573	6.5	6.5	6.5	6.5	6.5
3.1	.42033	1.2050	1.4636	1.17668	3.7885	0.8181	6.6	6.6	6.6	6.6	6.6
3.2	.42820	1.1745	1.4328	1.19910	4.0875	0.79347	6.7	6.7	6.7	6.7	6.7
3.3	.47463	1.0851	1.4006	1.20406	2.2527	1.1492	6.8	6.8	6.8	6.8	6.8
3.4	.50598	1.0237	1.3670	1.25601	2.5601	1.2738	6.9	6.9	6.9	6.9	6.9
3.5	.51072	9.4237	1.3317	1.29238	5.1826	1.29238	7.0	7.0	7.0	7.0	7.0

$\lambda$	0	$\frac{g_{11}}{D/b}$	$\frac{g_{12}}{D/b}$	$\frac{g_{13}}{D/b}$	$\frac{g_{20}^2}{(D/b)^2}$	$\frac{g_{11}^2}{D/b}$	$\frac{g_{12}^2}{D/b}$	$\frac{g_{13}^2}{D/b}$	$\frac{g_{11}g_{12}}{D/b}$	$\frac{g_{11}g_{13}}{D/b}$	$\frac{g_{12}g_{13}}{D/b}$
$\lambda = 0.78$											
0	3.6	0	0.57961	0	0.86011	1.2948	0	0.32572	0	0.56283	0.56155
.1	3.7	0	0.62255	0.62255	1.2560	1.2560	1.2560	0.5105	0.5105	0.5105	0.5105
.2	3.8	0	0.67165	0.67165	1.2575	1.2575	1.2575	0.5105	0.5105	0.5105	0.5105
.3	3.9	0	0.7207	0.7207	1.2595	1.2595	1.2595	0.5105	0.5105	0.5105	0.5105
.4	4.0	0	0.79055	0.79055	1.2617	1.2617	1.2617	0.5105	0.5105	0.5105	0.5105
.5	4.1	0	0.86388	0.86388	1.2637	1.2637	1.2637	0.5105	0.5105	0.5105	0.5105
.6	4.2	0	0.94020	0.94020	1.2659	1.2659	1.2659	0.5105	0.5105	0.5105	0.5105
.7	4.3	0	1.02161	1.02161	1.2678	1.2678	1.2678	0.5105	0.5105	0.5105	0.5105
.8	4.4	0	1.10461	1.10461	1.2697	1.2697	1.2697	0.5105	0.5105	0.5105	0.5105
.9	4.5	0	1.18761	1.18761	1.2716	1.2716	1.2716	0.5105	0.5105	0.5105	0.5105
1.0	4.6	0	1.26961	1.26961	1.2735	1.2735	1.2735	0.5105	0.5105	0.5105	0.5105
1.1	4.7	0	1.35081	1.35081	1.2754	1.2754	1.2754	0.5105	0.5105	0.5105	0.5105
1.2	4.8	0	1.43201	1.43201	1.2773	1.2773	1.2773	0.5105	0.5105	0.5105	0.5105
1.3	4.9	0	1.51321	1.51321	1.2792	1.2792	1.2792	0.5105	0.5105	0.5105	0.5105
1.4	5.0	0	1.59441	1.59441	1.2811	1.2811	1.2811	0.5105	0.5105	0.5105	0.5105
1.5	5.1	0	1.67561	1.67561	1.2830	1.2830	1.2830	0.5105	0.5105	0.5105	0.5105
1.6	5.2	0	1.75681	1.75681	1.2849	1.2849	1.2849	0.5105	0.5105	0.5105	0.5105
1.7	5.3	0	1.83801	1.83801	1.2868	1.2868	1.2868	0.5105	0.5105	0.5105	0.5105
1.8	5.4	0	1.91921	1.91921	1.2887	1.2887	1.2887	0.5105	0.5105	0.5105	0.5105
1.9	5.5	0	2.00041	2.00041	1.2906	1.2906	1.2906	0.5105	0.5105	0.5105	0.5105
2.0	5.6	0	2.08161	2.08161	1.2925	1.2925	1.2925	0.5105	0.5105	0.5105	0.5105
2.1	5.7	0	2.16281	2.16281	1.2944	1.2944	1.2944	0.5105	0.5105	0.5105	0.5105
2.2	5.8	0	2.24401	2.24401	1.2963	1.2963	1.2963	0.5105	0.5105	0.5105	0.5105
2.3	5.9	0	2.32521	2.32521	1.2982	1.2982	1.2982	0.5105	0.5105	0.5105	0.5105
2.4	6.0	0	2.40641	2.40641	1.3001	1.3001	1.3001	0.5105	0.5105	0.5105	0.5105
2.5	6.1	0	2.48761	2.48761	1.3020	1.3020	1.3020	0.5105	0.5105	0.5105	0.5105
2.6	6.2	0	2.56881	2.56881	1.3039	1.3039	1.3039	0.5105	0.5105	0.5105	0.5105
2.7	6.3	0	2.65001	2.65001	1.3058	1.3058	1.3058	0.5105	0.5105	0.5105	0.5105
2.8	6.4	0	2.73121	2.73121	1.3077	1.3077	1.3077	0.5105	0.5105	0.5105	0.5105
2.9	6.5	0	2.81241	2.81241	1.3096	1.3096	1.3096	0.5105	0.5105	0.5105	0.5105
3.0	6.6	0	2.89361	2.89361	1.3115	1.3115	1.3115	0.5105	0.5105	0.5105	0.5105
3.1	6.7	0	2.97481	2.97481	1.3134	1.3134	1.3134	0.5105	0.5105	0.5105	0.5105
3.2	6.8	0	3.05601	3.05601	1.3153	1.3153	1.3153	0.5105	0.5105	0.5105	0.5105
3.3	6.9	0	3.13721	3.13721	1.3172	1.3172	1.3172	0.5105	0.5105	0.5105	0.5105
3.4	7.0	0	3.21841	3.21841	1.3191	1.3191	1.3191	0.5105	0.5105	0.5105	0.5105
3.5	7.1	0	3.29961	3.29961	1.3210	1.3210	1.3210	0.5105	0.5105	0.5105	0.5105

TABLE I-- Continued

$\frac{\lambda}{b}$	$\alpha$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$\alpha^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{IV}}{D/b}$
0	0	0.11612	1.9748	2.00016	0.01385	0.053992	1.7686
.1	.1	1.2029	1.9524	1.9886	0.01470	0.07223	1.7494
.2	.2	1.2197	1.9453	1.9760	0.01526	0.06661	1.7297
.3	.3	1.2919	1.9303	1.9331	0.01691	0.06321	1.7094
.4	.4	1.2149	1.9269	1.9269	0.01765	0.068220	1.68887
.5	.5	1.1365	1.9365	1.9364	0.019502	0.072375	1.6674
.6	.6	1.1115	1.8827	1.9226	0.020778	0.076806	1.6155
.7	.7	1.1496	1.8658	1.9085	0.022381	0.081524	1.6320
.8	.8	1.1555	1.8482	1.8941	0.024132	0.083580	1.5998
.9	.9	1.1637	1.8304	1.8793	0.026010	0.091970	1.5760
1.0	1.0	1.1670	1.8118	1.8942	0.028123	0.097731	1.5516
1.1	1.1	1.1735	1.7925	1.8187	0.030299	0.10389	1.5264
1.2	1.2	1.1835	1.7725	1.8328	0.032891	0.11048	1.5004
1.3	1.3	1.1865	1.7517	1.8617	0.035265	0.11754	1.4736
1.4	1.4	1.1965	1.7302	1.8967	0.038627	0.12511	1.4460
1.5	1.5	1.2047	1.7077	1.7825	0.041920	0.13322	1.4175
1.6	1.6	2.1317	1.6844	1.7648	0.045570	0.1193	1.3881
1.7	1.7	2.2269	1.6600	1.7466	0.049590	0.15128	1.3576
1.8	1.8	2.3246	1.6345	1.7279	0.053036	0.16133	1.3262
1.9	1.9	2.4284	1.6078	1.6986	0.056927	0.17239	1.2957
2.0	2.0	2.5387	1.5798	1.6687	0.064432	0.18379	1.2660
2.1	2.1	2.6563	1.5195	1.6882	0.070557	0.19635	1.2251
2.2	2.2	2.7657	1.5195	1.670	0.077376	0.20989	1.1889
2.3	2.3	2.9157	1.4870	1.6551	0.085010	0.22452	1.1513
2.4	2.4	3.0592	1.4526	1.6055	0.093586	0.21034	1.1123
2.5	2.5	3.2132	1.1161	1.5191	0.10324	0.25746	1.0717
2.6	2.6	3.3788	1.3774	1.5549	0.11476	0.27601	1.0295
2.7	2.7	3.5573	1.3362	1.5598	0.12654	0.29614	9.98529
2.8	2.8	3.7502	1.3292	1.5037	0.14067	0.31801	9.3929
2.9	2.9	3.9592	1.2452	1.4766	0.15676	0.3180	8.9200
3.0	3.0	4.1864	1.1946	1.4185	0.17526	0.36771	8.4208
3.1	3.1	4.4341	1.1401	1.1992	0.19662	0.39599	7.8988
3.2	3.2	4.7052	1.0812	1.3886	0.22129	0.42688	7.3524
3.3	3.3	5.0028	1.0172	1.3597	0.25028	0.46069	6.7797
3.4	3.4	5.3312	9.7063	1.2885	0.28121	0.49777	6.1787
3.5	3.5	5.6950	8.7063	1.2885	0.32453	0.53649	5.5472

TABLE I-- Continued

$\frac{\lambda}{b}$	$\alpha$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$\alpha^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{IV}}{D/b}$
0	0	0.11612	1.9748	2.00016	0.01385	0.053992	1.7686
.1	.1	1.2029	1.9524	1.9886	0.01470	0.07223	1.7494
.2	.2	1.2197	1.9453	1.9760	0.01526	0.06661	1.7297
.3	.3	1.2919	1.9303	1.9331	0.01691	0.06321	1.7094
.4	.4	1.2149	1.9269	1.9269	0.01765	0.068220	1.68887
.5	.5	1.1365	1.9365	1.9364	0.019502	0.072375	1.6674
.6	.6	1.1115	1.8827	1.9226	0.020778	0.076806	1.6155
.7	.7	1.1496	1.8658	1.9085	0.022381	0.081524	1.6320
.8	.8	1.1555	1.8482	1.8941	0.024132	0.083580	1.5998
.9	.9	1.1637	1.8304	1.8793	0.026010	0.091970	1.5760
1.0	1.0	1.1670	1.8118	1.8942	0.028123	0.097731	1.5516
1.1	1.1	1.1735	1.7925	1.8187	0.030299	0.10389	1.5264
1.2	1.2	1.1835	1.7725	1.8328	0.032891	0.11048	1.5004
1.3	1.3	1.1865	1.7517	1.8617	0.035265	0.11754	1.4736
1.4	1.4	1.1965	1.7302	1.8967	0.038627	0.13322	1.4460
1.5	1.5	1.2047	1.7077	1.7825	0.041920	0.15128	1.4175
1.6	1.6	2.1317	1.6844	1.7648	0.045570	0.1193	1.3881
1.7	1.7	2.2269	1.6600	1.7466	0.049590	0.15128	1.3576
1.8	1.8	2.3246	1.6345	1.7279	0.053036	0.16133	1.3262
1.9	1.9	2.4284	1.6078	1.6986	0.056927	0.17239	1.2957
2.0	2.0	2.5387	1.5798	1.6687	0.064432	0.18379	1.2660
2.1	2.1	2.6563	1.5195	1.6882	0.070557	0.19635	1.2251
2.2	2.2	2.7657	1.5195	1.670	0.077376	0.20989	1.1889
2.3	2.3	2.9157	1.4870	1.6551	0.085010	0.22452	1.1513
2.4	2.4	3.0592	1.4526	1.6055	0.093586	0.21034	1.1123
2.5	2.5	3.2132	1.1161	1.5191	0.10324	0.25746	1.0717
2.6	2.6	3.3788	1.3774	1.5549	0.11476	0.27601	1.0295
2.7	2.7	3.5573	1.3362	1.5598	0.12654	0.29614	9.98529
2.8	2.8	3.7502	1.3292	1.5037	0.14067	0.31801	9.3929
2.9	2.9	3.9592	1.2452	1.4766	0.15676	0.3180	8.9200
3.0	3.0	4.1864	1.1946	1.4185	0.17526	0.36771	8.4208
3.1	3.1	4.4341	1.1401	1.1992	0.19662	0.39599	7.8988
3.2	3.2	4.7052	1.0812	1.3886	0.22129	0.42688	7.3524
3.3	3.3	5.0028	1.0172	1.3597	0.25028	0.46069	6.7797
3.4	3.4	5.3312	9.7063	1.2885	0.28121	0.49777	6.1787
3.5	3.5	5.6950	8.7063	1.2885	0.32453	0.53649	5.5472
							1.2611

TABLE I.—Continued

$x$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$
$\frac{\lambda}{b} = 0.82$									
0	0.128771	1.92769	1.95768	0.0153192	0.0587112	1.71538	0.638108	0.719697	1.231403
.1	1.32715	1.91337	1.94532	0.0212119	0.0621119	1.69603	0.685158	0.621102	1.17631
.2	1.54812	1.89855	1.93270	0.0176216	0.0575885	1.66620	0.73867	0.517332	1.13672
.3	1.76773	1.88352	1.91981	0.0180119	0.0636651	1.65586	0.79314	0.49509	1.09509
.4	1.85189	1.86794	1.89664	0.0202879	0.0737913	1.63158	0.86115	0.260823	1.015123
.5	1.77317	1.85119	1.89319	0.0218133	0.0781822	1.61358	0.96547	0.104565	1.00496
.6	1.53159	1.83534	1.87943	0.0234575	0.0828582	1.59158	1.03247	0.076492	0.960545
.7	1.68885	1.81827	1.85236	0.0252015	0.0878401	1.56898	1.12806	0.28065	0.84225
.8	1.61891	1.80064	1.85097	0.0271891	0.0931519	1.54576	1.14032	0.849635	0.790705
.9	1.71195	1.78241	1.86623	0.0292076	0.098175	1.52188	1.145	1.29702	1.29702
1.0	1.77317	1.76355	1.88213	0.0316188	0.104865	1.49731	1.16018	1.23096	1.23096
1.1	1.81780	1.74401	1.80566	0.0341416	0.111323	1.47201	1.189625	1.71726	1.595778
1.2	1.92109	1.72375	1.78980	0.0369088	0.118221	1.45597	1.23594	2.35968	1.665559
1.3	1.98381	1.70271	1.77352	0.0392371	0.125604	1.43204	1.27091	2.429005	1.999412
1.4	2.09716	1.68084	1.75683	0.0425050	0.133502	1.39245	1.3034	2.50374	2.30374
1.5	2.16577	1.65808	1.79668	0.0469055	0.141959	1.36291	1.36376	1.563702	1.115124
1.6	2.255670	1.63435	1.72205	0.0509268	0.151022	1.33344	1.45598	6.70803	3.0154
1.7	2.352525	1.60939	1.70923	0.053668	0.160742	1.30300	1.55977	1.83703	2.72067
1.8	2.452598	1.58371	1.68228	0.062692	0.171175	1.27155	1.62908	2.10811	2.02286
1.9	2.56358	1.55661	1.66668	0.0717306	0.182873	1.24902	1.69726	2.2966	1.93005
2.0	2.67811	1.52820	1.64330	0.0717336	0.194733	1.20535	1.75037	3.014	3.014
2.1	2.80093	1.49834	1.62550	0.0784554	0.207401	1.19042	1.83537	17.3288	1.7206
2.2	2.93173	1.46692	1.58228	0.0852501	0.221371	1.16136	1.926	2.1081	1.6923
2.3	3.07142	1.43552	1.5378	0.0943362	0.236434	1.06268	1.96780	1.79010	1.66666
2.4	3.22096	1.39876	1.56067	0.103746	0.242692	1.03798	1.9726	2.78868	1.91994
2.5	3.38137	1.36165	1.53744	0.11336	0.210559	1.01758	1.98868	6.91184	7.77672
2.6	3.555381	1.32226	1.51239	0.126296	0.289263	0.975562	1.241925	1.9857	1.7287
2.7	3.73963	1.28032	1.46692	0.130486	0.309845	0.921803	1.28684	1.91821	1.6923
2.8	3.94038	1.23552	1.42355	0.146296	0.332163	0.886306	1.32684	1.81269	1.63808
2.9	4.15783	1.18760	1.43582	0.146296	0.172875	0.838325	0.838829	1.75110	1.75110
3.0	4.39408	1.13610	1.40794	0.140794	0.193079	0.788744	0.789292	1.61202	1.61202
3.1	4.65157	1.08058	1.37894	0.126296	0.11126	0.737518	0.660129	1.56602	1.56602
3.2	4.93319	1.02051	1.34824	0.112701	0.112701	0.683281	0.626697	1.521904	1.521904
3.3	5.24238	9.95235	1.31725	0.124824	0.124824	0.64863	0.614229	1.50708	1.50708
3.4	5.58326	8.89397	1.28457	0.125000	0.125000	0.567297	0.553176	1.5363	1.5363
3.5	5.96080	8.08862	1.25000	0.125000	0.125000	0.504901	0.504901	1.39971	1.39971

$x$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$
$\frac{\lambda}{b} = 0.52$									
0	0.128771	1.92769	1.95768	0.0153192	0.0587112	1.71538	0.638108	0.719697	1.231403
.1	1.32715	1.91337	1.94532	0.0212119	0.0621119	1.69603	0.685158	0.621102	1.17631
.2	1.54812	1.89855	1.93270	0.0176216	0.0575885	1.66620	0.73867	0.517332	1.13672
.3	1.76773	1.88352	1.91981	0.0180119	0.0636651	1.65586	0.79314	0.49509	1.09509
.4	1.85189	1.86794	1.89664	0.0202879	0.0737913	1.63158	0.86115	0.260823	1.015123
.5	1.77317	1.85119	1.89319	0.0218133	0.0781822	1.61358	0.96547	0.104565	0.904861
.6	1.53159	1.83534	1.87943	0.0234575	0.0828582	1.59158	1.03247	0.076492	0.904861
.7	1.68885	1.81827	1.85236	0.0252015	0.0878401	1.56898	1.12806	0.28065	0.84225
.8	1.61891	1.80064	1.85097	0.0271891	0.0931519	1.54576	1.14032	0.849635	0.790705
.9	1.71195	1.78241	1.86623	0.0292076	0.098175	1.52188	1.145	1.29702	1.29702
1.0	1.77317	1.76355	1.88213	0.0316188	0.104865	1.49731	1.16018	1.01994	1.01994
1.1	1.81780	1.74401	1.80566	0.0341416	0.111323	1.47201	1.189625	1.71726	1.595778
1.2	1.92109	1.72375	1.78980	0.0369088	0.118221	1.45597	1.23594	2.35968	1.665559
1.3	1.98381	1.70271	1.77352	0.0392371	0.125604	1.43204	1.27091	2.429005	1.999412
1.4	2.09716	1.68084	1.75683	0.0425050	0.133502	1.39245	1.3034	2.50374	2.30374
1.5	2.16577	1.65808	1.79668	0.0469055	0.141959	1.36291	1.36376	1.563702	1.115124
1.6	2.255670	1.63435	1.72205	0.0509268	0.151022	1.33344	1.45598	6.70803	2.07022
1.7	2.352525	1.60939	1.70923	0.053668	0.160742	1.30300	1.55977	1.83703	2.29702
1.8	2.452598	1.58371	1.68228	0.062692	0.171175	1.27155	1.62908	2.10811	2.02286
1.9	2.56358	1.55661	1.66668	0.0717306	0.182873	1.24902	1.69726	2.2966	1.93005
2.0	2.67811	1.52820	1.64330	0.0717336	0.194733	1.20535	1.75037	3.014	3.014
2.1	2.80093	1.49834	1.62550	0.0784554	0.207401	1.19042	1.83537	17.3288	1.7206
2.2	2.93173	1.46692	1.58228	0.0852501	0.221371	1.16136	1.926	2.1081	2.02286
2.3	3.07142	1.43552	1.5378	0.0943362	0.236434	1.06268	1.96780	2.429005	2.30374
2.4	3.22096	1.39876	1.56067	0.103746	0.242692	1.03798	1.9726	2.50374	2.30374
2.5	3.38137	1.36165	1.53744	0.11336	0.210559	1.01758	1.98868	6.91184	7.77672
2.6	3.555381	1.32226	1.51239	0.126296	0.289263	0.975562	1.241925	1.9857	1.7206
2.7	3.73963	1.28032	1.46692	0.130486	0.309845	0.921803	1.28684	1.91821	1.6923
2.8	3.94038	1.23552	1.42355	0.146296	0.332163	0.886306	1.32684	1.81269	1.63808
2.9	4.15783	1.18760	1.43582	0.146296	0.172875	0.838325	0.838829	1.75110	1.75110
3.0	4.39408	1.13610	1.40794	0.140794	0.193079	0.788744	0.789292	1.61202	1.61202
3.1	4.65157	1.08058	1.37894	0.126296	0.11126	0.737518	0.660129	1.56602	1.56602
3.2	4.93319	1.02051	1.34824	0.112701	0.112701	0.683281	0.626697	1.521904	1.521904
3.3	5.24238	9.95235	1.31725	0.124824	0.124824	0.64863	0.614229	1.50708	1.50708
3.4	5.58326	8.89397	1.28457	0.125000	0.125000	0.567297	0.553176	1.5363	1.5363
3.5	5.96080	8.08862	1.25000	0.125000	0.125000	0.504901	0.504901	1.39971	1.39971

TABLE I.—Continued

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\frac{S_{202}}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.131410	1.88379	1.91689	0.0672685	1.66499
0.1	0.155981	1.86934	1.90456	0.0718490	1.64558
0.2	0.140753	1.85449	1.89198	0.079113	1.62567
0.3	0.157736	1.83922	1.87913	0.0212390	0.749974
0.4	0.150944	1.82349	1.86601	0.0227842	0.733340
0.5	0.156392	1.80729	1.85260	0.0244583	0.723440
0.6	0.162093	1.79058	1.83889	0.0262742	0.6884668
0.7	0.168065	1.77333	1.82488	0.0282459	0.690640
0.8	0.174320	1.75522	1.81054	0.033896	0.696186
0.9	0.180895	1.73205	1.79586	0.0321230	0.70526
1.0	0.187793	1.71803	1.78083	0.032663	0.711842
1.1	0.195044	1.69827	1.76543	0.0380423	0.68569
1.2	0.202673	1.67778	1.74965	0.0410765	0.65747
1.3	0.210709	1.65650	1.73346	0.043981	0.63132
1.4	0.219181	1.63437	1.71685	0.0480404	0.614602
1.5	0.228124	1.61137	1.69980	0.0504040	0.59561
1.6	0.237575	1.58733	1.66228	0.0564416	0.57733
1.7	0.245757	1.56226	1.66427	0.0612934	0.56769
1.8	0.255671	1.53605	1.64574	0.0666523	0.55256
1.9	0.269314	1.50861	1.62668	0.0728539	0.53448
2.0	0.283361	1.47982	1.60704	0.0791639	0.51448
2.1	0.294976	1.44958	1.44958	0.0864680	0.487507
2.2	0.307631	1.41774	1.41774	0.0946370	0.46594
2.3	0.322108	1.38416	1.44410	0.103754	0.44420
2.4	0.3354207	1.351599	1.434866	0.11973	0.42469
2.5	0.348138	1.31106	1.49915	0.125463	0.40667
2.6	0.372054	1.27113	1.47535	0.136124	0.36441
2.7	0.391275	1.22861	1.45071	0.152096	0.32200
2.8	0.412029	1.18323	1.452517	0.169768	0.304818
2.9	0.424498	1.13436	1.39268	0.185788	0.36228
3.0	0.458895	1.08242	1.35117	0.215684	0.39922
3.1	0.484470	1.02615	1.34257	0.235681	0.421817
3.2	0.515158	9.65276	1.1282	0.26428	0.456576
3.3	0.546387	8.92143	1.28181	0.295379	0.581447
3.4	0.561498	8.826981	1.2948	0.328140	0.522910
3.5	0.620355	7.47858	1.21571	0.384840	0.461540

TABLE I.—Continued

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\frac{S_{202}}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.131410	1.88379	1.91689	0.0672685	1.66499
0.1	0.155981	1.86934	1.90456	0.0718490	1.64558
0.2	0.140753	1.85449	1.89198	0.079113	1.62567
0.3	0.157736	1.83922	1.87913	0.0212390	0.749974
0.4	0.150944	1.82349	1.86601	0.0227842	0.733340
0.5	0.156392	1.80729	1.85260	0.0244583	0.723440
0.6	0.162093	1.79058	1.83889	0.0262742	0.6884668
0.7	0.168065	1.77333	1.82488	0.0282459	0.690640
0.8	0.174320	1.75522	1.81054	0.033896	0.696186
0.9	0.180895	1.73205	1.79586	0.0321230	0.70526
1.0	0.187793	1.71803	1.78083	0.032663	0.711842
1.1	0.195044	1.69827	1.76543	0.0380423	0.68569
1.2	0.202673	1.67778	1.74965	0.0410765	0.65747
1.3	0.210709	1.65650	1.73346	0.043981	0.63132
1.4	0.219181	1.63437	1.71685	0.0480404	0.614602
1.5	0.228124	1.61137	1.69980	0.0504040	0.59561
1.6	0.237575	1.58733	1.66228	0.0564416	0.57733
1.7	0.245757	1.56226	1.66427	0.0612934	0.56769
1.8	0.255671	1.53605	1.64574	0.0666523	0.55256
1.9	0.269314	1.50861	1.62668	0.0728539	0.53448
2.0	0.283361	1.47982	1.60704	0.0791639	0.51448
2.1	0.294976	1.44958	1.44958	0.0864680	0.487507
2.2	0.307631	1.41774	1.41774	0.0946370	0.46594
2.3	0.322108	1.38416	1.44410	0.103754	0.44420
2.4	0.3354207	1.351599	1.434866	0.11973	0.42469
2.5	0.348138	1.31106	1.49915	0.125463	0.40667
2.6	0.372054	1.27113	1.47535	0.136124	0.36441
2.7	0.391275	1.22861	1.45071	0.152096	0.32200
2.8	0.412029	1.18323	1.452517	0.169768	0.304818
2.9	0.424498	1.13436	1.39268	0.185788	0.36228
3.0	0.458895	1.08242	1.35117	0.215684	0.39922
3.1	0.484470	1.02615	1.34257	0.235681	0.421817
3.2	0.515158	9.65276	1.1282	0.26428	0.456576
3.3	0.546387	8.92143	1.28181	0.295379	0.581447
3.4	0.561498	8.826981	1.2948	0.328140	0.522910
3.5	0.620355	7.47858	1.21571	0.384840	0.461540

 $\lambda = 0.84$  $\lambda = 0.84$ 

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\frac{S_{202}}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.131410	1.88379	1.91689	0.0672685	1.66499
0.1	0.155981	1.86934	1.90456	0.0718490	1.64558
0.2	0.140753	1.85449	1.89198	0.079113	1.62567
0.3	0.157736	1.83922	1.87913	0.0212390	0.749974
0.4	0.150944	1.82349	1.86601	0.0227842	0.733340
0.5	0.156392	1.80729	1.85260	0.0244583	0.723440
0.6	0.162093	1.79058	1.83889	0.0262742	0.6884668
0.7	0.168065	1.77333	1.82488	0.0282459	0.690640
0.8	0.174320	1.75522	1.81054	0.033896	0.696186
0.9	0.180895	1.73205	1.79586	0.0321230	0.70526
1.0	0.187793	1.71803	1.78083	0.032663	0.711842
1.1	0.195044	1.69827	1.76543	0.0380423	0.68569
1.2	0.202673	1.67778	1.74965	0.0410765	0.65747
1.3	0.210709	1.65650	1.73346	0.043981	0.63132
1.4	0.219181	1.63437	1.71685	0.0480404	0.614602
1.5	0.228124	1.61137	1.69980	0.0504040	0.59561
1.6	0.237575	1.58733	1.66228	0.0564416	0.57733
1.7	0.245757	1.56226	1.66427	0.0612934	0.56769
1.8	0.255671	1.53605	1.64574	0.0666523	0.55256
1.9	0.269314	1.50861	1.62668	0.0728539	0.53448
2.0	0.283361	1.47982	1.60704	0.0791639	0.51448
2.1	0.294976	1.44958	1.44958	0.0864680	0.487507
2.2	0.307631	1.41774	1.41774	0.0946370	0.46594
2.3	0.322108	1.38416	1.44410	0.103754	0.44420
2.4	0.3354207	1.351599	1.434866	0.11973	0.42469
2.5	0.348138	1.31106	1.49915	0.125463	0.40667
2.6	0.372054	1.27113	1.47535	0.136124	0.36441
2.7	0.391275	1.22861	1.45071	0.152096	0.32200
2.8	0.412029	1.18323	1.452517	0.169768	0.304818
2.9	0.424498	1.13436	1.39268	0.185788	0.36228
3.0	0.458895	1.08242	1.35117	0.215684	0.39922
3.1	0.484470	1.02615	1.34257	0.235681	0.421817
3.2	0.515158	9.65276	1.1282	0.26428	0.456576
3.3	0.546387	8.92143	1.28181	0.295379	0.581447
3.4	0.561498	8.826981	1.2948	0.328140	0.522910
3.5	0.620355	7.47858	1.21571	0.384840	0.461540

 $\lambda = 0.84$  $\lambda = 0.84$ 

$\lambda$	$\alpha$	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$\frac{S_{202}}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.131410	1.88379	1.91689	0.0672685	1.66499
0.1	0.155981	1.86934	1.90456	0.0718490	1.64558
0.2	0.140753	1.85449	1.89198	0.079113	1.62567
0.3	0.157736	1.83922	1.87913	0.0212390	0.749974
0.4	0.150944	1.82349	1.86601	0.0227842	0.733340
0.5	0.156392	1.80729	1.85260	0.0244583	0.723440
0.6	0.162093	1.79058	1.83889	0.0262742	0.6884668
0.7	0.168065	1.77333	1.82488	0.0282459	0.690640
0.8	0.174320	1.75522	1.81054	0.033896	0.696186
0.9	0.180895	1.73205	1.79586	0.0321230	0.70526
1.0	0.187793	1.71803	1.78083	0.032663	0.711842
1.1	0.195044	1.69827	1.76543	0.0380423	0.68569
1.2	0.202673	1.67778	1.74965	0.0410765	0.65747
1.3	0.210709	1.65650	1.73346	0.043981	0.63132
1.4	0.219181	1.63437	1.71685	0.0480404	0.614602
1.5	0.228124	1.61137	1.69980	0.0504040	0.59561
1.6	0.237575	1.58733	1.66228	0.0564416	0.57733
1.7	0.245757	1.56226	1.66427	0.0612934	0.56769
1.8	0.255671	1.53605	1.64574	0.0666523	0.55256
1.9	0.269314	1.50861	1.62668	0.0728539	0.53448
2.0	0.283361	1.47982	1.60704	0.0791639	0.51448
2.1	0.294976	1.44958	1.44958	0.0864680	0.487507
2.2	0.307631	1.41774	1.41774	0.0946370	0.46594
2.3	0.322108	1.38416	1.44410	0.103754	0.44420
2.4	0.3354207	1.351599	1.434866	0.11973	0.42469
2.5	0.348138	1.31106	1.49915	0.125463	0.40667
2.6	0.372054	1.27113	1.47535	0.136124	0.36441
2.7	0.391275	1.22861	1.45071	0.152096	0.32200
2.8	0.412029	1.18323	1.452517	0.169768	0.304818
2.9	0.424498	1.13436	1.39268	0.185788	0.36228
3.0	0.458895	1.08242	1.35117	0.215684	0.39922
3.1</td					

TABLE I.—Continued

$\lambda$	c	k	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$\sigma^2$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s \tau}{D/b}$
$\lambda = 0.86$							
0	0.139021	1.84213	1.84213	1.84213	0.0193237	0.0193237	0.0981946
1	0.139021	1.84213	1.84213	1.84213	0.0193237	0.0193237	0.0981946
2	1.18779	1.82122	1.82122	1.82122	0.0205267	0.0205267	0.0981946
3	1.18779	1.79723	1.79723	1.79723	0.0221218	0.0221218	0.0981946
4	1.18779	1.78138	1.78138	1.78138	0.0236956	0.0236956	0.0981946
5	1.18779	1.76504	1.76504	1.76504	0.0253695	0.0253695	0.0981946
6	1.18779	1.74927	1.74927	1.74927	0.0272253	0.0272253	0.0981946
7	1.18779	1.73374	1.73374	1.73374	0.0292161	0.0292161	0.0981946
8	1.18779	1.71820	1.71820	1.71820	0.0312748	0.0312748	0.0981946
9	1.18779	1.69300	1.69300	1.69300	0.0332692	0.0332692	0.0981946
10	1.18779	1.67503	1.67503	1.67503	0.0350571	0.0350571	0.0981946
11	1.18779	1.65735	1.65735	1.65735	0.0369457	0.0369457	0.0981946
12	1.18779	1.63937	1.63937	1.63937	0.0387333	0.0387333	0.0981946
13	1.18779	1.62121	1.62121	1.62121	0.0405211	0.0405211	0.0981946
14	1.18779	1.59603	1.59603	1.59603	0.0423955	0.0423955	0.0981946
15	1.18779	1.57954	1.57954	1.57954	0.0442630	0.0442630	0.0981946
16	1.18779	1.56296	1.56296	1.56296	0.0461297	0.0461297	0.0981946
17	1.18779	1.54635	1.54635	1.54635	0.0480864	0.0480864	0.0981946
18	1.18779	1.53075	1.53075	1.53075	0.0500331	0.0500331	0.0981946
19	1.18779	1.51514	1.51514	1.51514	0.0519798	0.0519798	0.0981946
20	1.18779	1.49953	1.49953	1.49953	0.0539265	0.0539265	0.0981946
21	1.18779	1.48392	1.48392	1.48392	0.0558732	0.0558732	0.0981946
22	1.18779	1.46831	1.46831	1.46831	0.0578199	0.0578199	0.0981946
23	1.18779	1.45270	1.45270	1.45270	0.0597666	0.0597666	0.0981946
24	1.18779	1.43709	1.43709	1.43709	0.0617133	0.0617133	0.0981946
25	1.18779	1.42148	1.42148	1.42148	0.0636599	0.0636599	0.0981946
26	1.18779	1.40587	1.40587	1.40587	0.0656066	0.0656066	0.0981946
27	1.18779	1.39026	1.39026	1.39026	0.0675532	0.0675532	0.0981946
28	1.18779	1.37465	1.37465	1.37465	0.0694999	0.0694999	0.0981946
29	1.18779	1.35904	1.35904	1.35904	0.0714466	0.0714466	0.0981946
30	1.18779	1.34343	1.34343	1.34343	0.0733933	0.0733933	0.0981946
31	1.18779	1.32782	1.32782	1.32782	0.0753300	0.0753300	0.0981946
32	1.18779	1.31221	1.31221	1.31221	0.0772767	0.0772767	0.0981946
33	1.18779	1.29660	1.29660	1.29660	0.0792134	0.0792134	0.0981946
34	1.18779	1.28099	1.28099	1.28099	0.0811499	0.0811499	0.0981946
35	1.18779	1.26538	1.26538	1.26538	0.0830866	0.0830866	0.0981946
36	1.18779	1.24977	1.24977	1.24977	0.0850233	0.0850233	0.0981946
37	1.18779	1.23416	1.23416	1.23416	0.0869599	0.0869599	0.0981946
38	1.18779	1.21855	1.21855	1.21855	0.0888966	0.0888966	0.0981946
39	1.18779	1.19294	1.19294	1.19294	0.0908333	0.0908333	0.0981946
40	1.18779	1.17733	1.17733	1.17733	0.0927699	0.0927699	0.0981946
41	1.18779	1.16172	1.16172	1.16172	0.0947066	0.0947066	0.0981946
42	1.18779	1.14611	1.14611	1.14611	0.0966433	0.0966433	0.0981946
43	1.18779	1.13050	1.13050	1.13050	0.0985799	0.0985799	0.0981946
44	1.18779	1.11489	1.11489	1.11489	0.1005166	0.1005166	0.0981946
45	1.18779	1.09928	1.09928	1.09928	0.1024533	0.1024533	0.0981946
46	1.18779	1.08367	1.08367	1.08367	0.1043900	0.1043900	0.0981946
47	1.18779	1.06806	1.06806	1.06806	0.1063267	0.1063267	0.0981946
48	1.18779	1.05245	1.05245	1.05245	0.1082634	0.1082634	0.0981946
49	1.18779	1.03684	1.03684	1.03684	0.1102001	0.1102001	0.0981946
50	1.18779	1.02103	1.02103	1.02103	0.1121368	0.1121368	0.0981946
51	1.18779	1.00542	1.00542	1.00542	0.1140735	0.1140735	0.0981946
52	1.18779	1.08981	1.08981	1.08981	0.1159999	0.1159999	0.0981946
53	1.18779	1.07420	1.07420	1.07420	0.1179366	0.1179366	0.0981946
54	1.18779	1.05859	1.05859	1.05859	0.1198733	0.1198733	0.0981946
55	1.18779	1.04298	1.04298	1.04298	0.1218100	0.1218100	0.0981946
56	1.18779	1.02737	1.02737	1.02737	0.1237467	0.1237467	0.0981946
57	1.18779	1.01176	1.01176	1.01176	0.1256834	0.1256834	0.0981946
58	1.18779	0.99615	0.99615	0.99615	0.1276161	0.1276161	0.0981946
59	1.18779	0.98054	0.98054	0.98054	0.1295528	0.1295528	0.0981946
60	1.18779	0.96493	0.96493	0.96493	0.1314895	0.1314895	0.0981946
61	1.18779	0.94932	0.94932	0.94932	0.1334262	0.1334262	0.0981946
62	1.18779	0.93371	0.93371	0.93371	0.1353629	0.1353629	0.0981946
63	1.18779	0.91810	0.91810	0.91810	0.1373096	0.1373096	0.0981946
64	1.18779	0.90249	0.90249	0.90249	0.1392463	0.1392463	0.0981946
65	1.18779	0.88688	0.88688	0.88688	0.1411830	0.1411830	0.0981946
66	1.18779	0.87127	0.87127	0.87127	0.1431197	0.1431197	0.0981946
67	1.18779	0.85566	0.85566	0.85566	0.1450564	0.1450564	0.0981946
68	1.18779	0.83905	0.83905	0.83905	0.1469931	0.1469931	0.0981946
69	1.18779	0.82344	0.82344	0.82344	0.1489300	0.1489300	0.0981946
70	1.18779	0.80783	0.80783	0.80783	0.1508667	0.1508667	0.0981946
71	1.18779	0.79222	0.79222	0.79222	0.1527934	0.1527934	0.0981946
72	1.18779	0.77661	0.77661	0.77661	0.1547201	0.1547201	0.0981946
73	1.18779	0.76099	0.76099	0.76099	0.1566468	0.1566468	0.0981946
74	1.18779	0.74538	0.74538	0.74538	0.1585735	0.1585735	0.0981946
75	1.18779	0.72977	0.72977	0.72977	0.1605002	0.1605002	0.0981946
76	1.18779	0.71416	0.71416	0.71416	0.1624269	0.1624269	0.0981946
77	1.18779	0.69855	0.69855	0.69855	0.1643536	0.1643536	0.0981946
78	1.18779	0.68294	0.68294	0.68294	0.1662803	0.1662803	0.0981946
79	1.18779	0.66733	0.66733	0.66733	0.1682070	0.1682070	0.0981946
80	1.18779	0.65172	0.65172	0.65172	0.1701337	0.1701337	0.0981946
81	1.18779	0.63611	0.63611	0.63611	0.1720604	0.1720604	0.0981946
82	1.18779	0.62050	0.62050	0.62050	0.1739871	0.1739871	0.0981946
83	1.18779	0.60489	0.60489	0.60489	0.1759138	0.1759138	0.0981946
84	1.18779	0.58928	0.58928	0.58928	0.1778405	0.1778405	0.0981946
85	1.18779	0.57367	0.57367	0.57367	0.1797672	0.1797672	0.0981946
86	1.18779	0.55806	0.55806	0.55806	0.1816939	0.1816939	0.0981946
87	1.18779	0.54245	0.54245	0.54245	0.1836206	0.1836206	0.0981946
88	1.18779	0.52684	0.52684	0.52684	0.1855473	0.1855473	0.0981946
89	1.18779	0.51123	0.51123	0.51123	0.1874740	0.1874740	0.0981946
90	1.18779	0.49562	0.49562	0.49562	0.1894007	0.1894007	0.0981946
91	1.18779	0.47999	0.47999	0.47999	0.1913274	0.1913274	0.0981946
92	1.18779	0.46438	0.46438	0.46438	0.1932541	0.1932541	0.0981946
93	1.18779	0.44877	0.44877	0.44877	0.1951808	0.1951808	0.0981946
94	1.18779	0.43316	0.43316	0.43316	0.1971175	0.1971175	0.0981946
95	1.18779	0.41755	0.41755	0.41755	0.1990442	0.1990442	0.0981946
96	1.18779	0.40194	0.40194	0.40194	0.2009709	0.2009709	0.0981946
97	1.18779	0.38633	0.38633	0.38633	0.2029076	0.2029076	0.0981946
98	1.18779	0.37072	0.37072	0.37072	0.2048343	0.2048343	0.0981946
99	1.18779	0.35511	0.35511	0.35511	0.2067610	0.2067610	0.0981946
100	1.18779	0.33950	0.33950	0.33950	0.2086877	0.2086877	0.0981946

| $\lambda = 0.86$ |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0                | 0.139021         | 1.84213          | 1.84213          | 1.84213          | 1.84213          | 1.84213          | 1.84213          |
| 1                | 0.139021         | 1.82122          | 1.82122          | 1.82122          | 1.82122          | 1.82122          | 1.82122          |
| 2                | 0.139021         | 1.79723          | 1.79723          | 1.79723          | 1.79723          | 1.79723          | 1.79723          |
| 3                | 0.139021         | 1.78138          | 1.78138          | 1.78138          | 1.78138          | 1.78138          | 1.78138          |
| 4                | 0.139021         | 1.76504          | 1.76504          | 1.76504          | 1.76504          | 1.76504          | 1.76504          |
| 5                | 0.139021         | 1.74927          | 1.74927          | 1.74927          | 1.74927          | 1.74927          | 1.74927          |
| 6                | 0.139021         | 1.73374          | 1.73374          | 1.73374          | 1.73374          | 1.73374          | 1.73374          |
| 7                | 0.139021         | 1.71851          | 1.71851          | 1.71851          | 1.71851          | 1.71851          | 1.71851          |
| 8                | 0.139021         | 1.70318          | 1.70318          | 1.70318          | 1.70318          | 1.70318          | 1.70318          |
| 9                | 0.139021         | 1.68795          | 1.68795          | 1.68795          | 1.68795          | 1.68795          | 1.68795          |
| 10               | 0.139021         | 1.67262          | 1.67262          | 1.67262          | 1.67262          | 1.67262          | 1.67262          |
| 11               | 0.139021         | 1.65733          | 1.65             |                  |                  |                  |                  |

TABLE I.—Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2 a^2}{(D/b)^2}$	$\frac{s IV}{D/b}$
0	0.146585	1.802557	1.84216	0.0221187	0.0729181	1.57212
0.1	1.151520	1.8794	1.82995	0.0221187	0.0729181	1.55288
0.2	1.156667	1.77289	1.81750	0.0221187	0.0729181	1.53275
0.3	1.176448	1.77740	1.77115	0.02180479	0.0714782	1.51245
0.4	1.173510	1.7501	1.77866	0.02180479	0.0714782	1.49937
0.5	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.6	1.176448	1.77740	1.7981	0.02180479	0.0714782	1.49937
0.7	1.180556	1.69057	1.75117	0.02180479	0.0714782	1.47981
0.8	1.180556	1.69057	1.75117	0.02180479	0.0714782	1.47981
0.9	1.192773	1.65276	1.7302	0.02180479	0.0714782	1.42128
1.0	1.207253	1.65276	1.7253	0.02180479	0.0714782	1.39833
1.1	1.219777	1.61431	1.69253	0.046219	0.132391	1.32868
1.2	1.223137	1.59349	1.67699	0.0497902	0.132391	1.32868
1.3	1.231724	1.57186	1.66105	0.0536962	0.132391	1.32868
1.4	1.240700	1.57186	1.67171	0.0579702	0.132391	1.32868
1.5	1.250369	1.52594	1.62791	0.0626947	0.132391	1.32868
1.6	1.260380	1.50153	1.61073	0.0677980	0.175899	1.19133
1.7	1.270287	1.47603	1.6305	0.0734555	0.186417	1.16129
1.8	1.28296	1.47938	1.57489	0.0796508	0.1976508	1.13030
1.9	1.29210	1.47938	1.56620	0.0855720	0.209670	1.09831
2.0	1.30618	1.47938	1.53698	0.091987	0.222526	1.06525
2.1	1.323296	1.36114	1.51719	0.102654	0.236295	1.03100
2.2	1.331749	1.32907	1.49680	0.112057	0.251052	0.99517
2.3	1.320559	1.29492	1.47578	0.115409	0.266880	0.95912
2.4	1.366220	1.25892	1.47578	0.1174709	0.283883	0.95912
2.5	1.383939	1.22065	1.43169	0.1174709	0.302132	0.95912
2.6	1.402738	1.18009	1.40856	0.161198	0.321897	0.841277
2.7	1.422257	1.13695	1.35987	0.178893	0.342974	0.798992
2.8	1.447755	1.09038	1.33422	0.197807	0.365794	0.755062
2.9	1.468121	1.06160	1.33422	0.197807	0.390121	0.709385
3.0	1.493858	9.88708	1.30763	0.243896	0.417039	0.661869
3.1	1.521629	9.37147	1.28004	0.272097	0.445834	0.612235
3.2	1.551927	8.70183	1.25158	0.304623	0.477028	0.56072
3.3	1.585100	8.03386	1.22158	0.32341	0.506866	0.50533
3.4	1.621565	7.36061	1.19057	0.34834	0.547624	0.391691
3.5	1.661825	6.56922	1.15825	0.38013	0.587613	0.391691

TABLE I.—Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2 a^2}{(D/b)^2}$	$\frac{s IV}{D/b}$
0	0.146585	1.802557	1.84216	0.0221187	0.0729181	1.57212
0.1	1.151520	1.8794	1.82995	0.0221187	0.0729181	1.55288
0.2	1.156667	1.77289	1.81750	0.0221187	0.0729181	1.53275
0.3	1.176448	1.77740	1.77115	0.02180479	0.0714782	1.51245
0.4	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.5	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.6	1.176448	1.77740	1.7981	0.02180479	0.0714782	1.49937
0.7	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.8	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.9	1.192773	1.65276	1.7302	0.0536962	0.132391	1.32868
1.0	1.207253	1.65276	1.7253	0.0579702	0.132391	1.32868
1.1	1.219777	1.61431	1.69253	0.0626947	0.132391	1.32868
1.2	1.223137	1.59349	1.67699	0.0677980	0.175899	1.19133
1.3	1.231724	1.57186	1.66105	0.0734555	0.186417	1.16129
1.4	1.240700	1.57186	1.67171	0.0796508	0.1976508	1.13030
1.5	1.250369	1.52594	1.62791	0.0855720	0.209670	1.09831
1.6	1.260380	1.50153	1.61073	0.091987	0.222526	1.06525
1.7	1.270287	1.47603	1.6305	0.097987	0.236295	1.03100
1.8	1.28296	1.47938	1.57489	0.103100	0.251052	0.99517
1.9	1.29210	1.47938	1.56620	0.109310	0.266880	0.95912
2.0	1.30618	1.47938	1.53698	0.115409	0.283883	0.95912
2.1	1.323296	1.36114	1.51719	0.112057	0.302132	0.95912
2.2	1.331749	1.32907	1.49680	0.1174709	0.321897	0.95912
2.3	1.320559	1.29492	1.47578	0.1234169	0.342974	0.95912
2.4	1.366220	1.25892	1.47578	0.127409	0.365794	0.95912
2.5	1.383939	1.22065	1.43169	0.1317409	0.380211	0.95912
2.6	1.402738	1.18009	1.40856	0.161198	0.403100	0.95912
2.7	1.422257	1.13695	1.35987	0.178893	0.427097	0.95912
2.8	1.447755	1.09038	1.33422	0.197807	0.451994	0.95912
2.9	1.468121	1.06160	1.33422	0.197807	0.476891	0.95912
3.0	1.493858	9.88708	1.30763	0.243896	0.501789	0.95912
3.1	1.521629	9.37147	1.28004	0.272097	0.526691	0.95912
3.2	1.551927	8.70183	1.25158	0.304623	0.551686	0.95912
3.3	1.585100	8.03386	1.22158	0.32341	0.580666	0.95912
3.4	1.621565	7.36061	1.19057	0.34834	0.612235	0.95912
3.5	1.661825	6.56922	1.15825	0.38013	0.647028	0.95912

TABLE I.—Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2 a^2}{(D/b)^2}$	$\frac{s IV}{D/b}$
0	0.146585	1.802557	1.84216	0.0221187	0.0729181	1.57212
0.1	1.151520	1.8794	1.82995	0.0221187	0.0729181	1.55288
0.2	1.156667	1.77289	1.81750	0.0221187	0.0729181	1.53275
0.3	1.176448	1.77740	1.77115	0.02180479	0.0714782	1.51245
0.4	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.5	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.6	1.176448	1.77740	1.7981	0.02180479	0.0714782	1.49937
0.7	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.8	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.9	1.192773	1.65276	1.7302	0.0536962	0.132391	1.32868
1.0	1.207253	1.65276	1.7253	0.0579702	0.132391	1.32868
1.1	1.219777	1.61431	1.69253	0.0626947	0.132391	1.32868
1.2	1.223137	1.59349	1.67699	0.0677980	0.175899	1.19133
1.3	1.231724	1.57186	1.66105	0.0734555	0.186417	1.16129
1.4	1.240700	1.57186	1.67171	0.0796508	0.1976508	1.13030
1.5	1.250369	1.52594	1.62791	0.0855720	0.209670	1.09831
1.6	1.260380	1.50153	1.61073	0.091987	0.222526	1.06525
1.7	1.270287	1.47603	1.6305	0.097987	0.236295	1.03100
1.8	1.28296	1.47938	1.57489	0.103100	0.251052	0.99517
1.9	1.29210	1.47938	1.56620	0.109310	0.266880	0.95912
2.0	1.30618	1.47938	1.53698	0.115409	0.283883	0.95912
2.1	1.323296	1.36114	1.51719	0.112057	0.302132	0.95912
2.2	1.331749	1.32907	1.49680	0.1174709	0.321897	0.95912
2.3	1.320559	1.29492	1.47578	0.1234169	0.342974	0.95912
2.4	1.366220	1.25892	1.47578	0.127409	0.365794	0.95912
2.5	1.383939	1.22065	1.43169	0.1317409	0.380211	0.95912
2.6	1.402738	1.18009	1.40856	0.161198	0.403100	0.95912
2.7	1.422257	1.13695	1.35987	0.178893	0.427097	0.95912
2.8	1.447755	1.09038	1.33422	0.197807	0.451994	0.95912
2.9	1.468121	1.06160	1.33422	0.197807	0.476891	0.95912
3.0	1.493858	9.88708	1.30763	0.243896	0.501789	0.95912
3.1	1.521629	9.37147	1.28004	0.272097	0.526691	0.95912
3.2	1.551927	8.70183	1.25158	0.304623	0.551686	0.95912
3.3	1.585100	8.03386	1.22158	0.32341	0.580666	0.95912
3.4	1.621565	7.36061	1.19057	0.34834	0.612235	0.95912
3.5	1.661825	6.56922	1.15825	0.38013	0.647028	0.95912

TABLE I.—Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2 a^2}{(D/b)^2}$	$\frac{s IV}{D/b}$
0	0.146585	1.802557	1.84216	0.0221187	0.0729181	1.57212
0.1	1.151520	1.8794	1.82995	0.0221187	0.0729181	1.55288
0.2	1.156667	1.77289	1.81750	0.0221187	0.0729181	1.53275
0.3	1.176448	1.77740	1.77115	0.02180479	0.0714782	1.51245
0.4	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.5	1.173510	1.7501	1.7981	0.02180479	0.0714782	1.49937
0.6	1.176448	1.77740	1.7981	0.02180479	0.0714782	1.49937
0.7	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.8	1.180556	1.69057	1.75117	0.046219	0.132391	1.32868
0.9	1.192773	1.65276	1.7302	0.0536962	0.132391	1.32868
1.0	1.207253	1.65276	1.7253	0.0579702	0.132391	1.32868
1.1	1.219777	1.61431	1.69253</td			

TABLE I.—Continued

$\frac{\lambda}{b}$	$\alpha$	$\frac{s_{11}}{D/b}$	$\frac{s}{D/b}$	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{s^4 c^2}{(D/b)^2}$	$\frac{s_{11}}{D/b}$		$\frac{s}{D/b}$		$\frac{s^2 c^2}{(D/b)^2}$		$\frac{s_{11}}{D/b}$	
						$\lambda = 0.90$	$\lambda = 0.90$	$\lambda = 0.90$	$\lambda = 0.90$	$\lambda = 0.90$	$\lambda = 0.90$	$\lambda = 0.90$	
0	0.1509	1.7650	1.8079	0.025743	0.077605	1.5293	0.72102	0.52409	1.1015	0.52420	0.63602	0.30299	
.1	1.2919	1.7503	1.7958	0.025311	0.077605	1.5099	0.81720	0.77406	1.0673	0.77406	0.68246	0.11747	
.2	1.1755	1.7352	1.7708	0.025062	0.086074	1.4900	0.80618	0.89321	1.0215	0.80608	0.73310	0.17527	
.3	1.1705	1.7196	1.7708	0.025062	0.086074	1.4697	0.80618	0.89321	0.99408	0.80608	0.78840	0.10666	
.4	1.1758	1.7036	1.7779	0.025021	0.095554	1.4488	0.80618	0.965935	0.95192	0.80608	0.84891	0.035557	
.5	1.1819	1.6871	1.7748	0.030894	0.10072	1.4274	1.06169	1.06169	1.0959	1.06169	1.0959	-0.12823	
.6	1.1882	1.6700	1.7712	0.035120	0.10619	1.4055	1.1055	1.1055	1.087652	1.1055	1.087652	-0.12229	
.7	1.1948	1.6524	1.7776	0.037257	0.11198	1.3830	1.1198	1.1198	1.087652	1.1198	1.087652	-0.10818	
.8	2.0175	1.6324	1.7056	0.040103	0.1162	1.3599	1.162	1.162	1.09875	1.162	1.09875	-0.29788	
.9	2.0901	1.6154	1.6892	0.046683	0.12465	1.3362	1.16922	1.16922	1.2722	1.16922	1.2722	-0.32833	
1.0	2.1661	1.5960	1.6745	0.04922	0.13157	1.3118	1.16745	1.16745	1.2722	1.16745	1.2722	-0.36450	
1.1	2.2460	1.5758	1.6595	0.050466	0.13893	1.2868	1.1893	1.1893	1.3484	1.1893	1.3484	-0.49350	
1.2	2.2299	1.5549	1.6474	0.052886	0.14674	1.2610	1.1674	1.1674	1.3484	1.1674	1.3484	-0.60403	
1.3	2.2511	1.5331	1.5283	0.05876	0.15505	1.2346	1.2076	1.2076	1.3484	1.2076	1.3484	-0.74426	
1.4	2.2809	1.4870	1.5122	0.062056	0.15389	1.2073	1.2073	1.2073	1.3484	1.2073	1.3484	-0.85566	
1.5	2.3123	1.4624	1.5056	0.068070	0.17330	1.1793	1.1793	1.1793	1.3484	1.1793	1.3484	-0.95544	
1.6	2.3215	1.4421	1.4986	0.073568	0.18332	1.1504	1.1504	1.1504	1.3484	1.1504	1.3484	-1.10455	
1.7	2.30370	1.4100	1.4932	0.078259	0.19401	1.1202	1.1202	1.1202	1.3484	1.1202	1.3484	-1.25379	
1.8	2.31923	1.3892	1.4862	0.092594	0.20541	1.0829	1.0829	1.0829	1.3484	1.0829	1.3484	-1.41449	
1.9	2.31891	1.3526	1.5057	0.107057	0.20170	1.0583	1.0583	1.0583	1.3484	1.0583	1.3484	-1.58888	
2.0	2.3269	1.3269	1.4944	0.116068	0.21070	1.0256	1.0256	1.0256	1.3484	1.0256	1.3484	-1.77773	
2.1	2.3736	1.28215	1.3661	0.12449	0.21168	1.0862	1.0862	1.0862	1.3484	1.0862	1.3484	-1.9824	
2.2	2.36300	1.2550	1.3574	0.126661	0.21266	1.0682	1.0682	1.0682	1.3484	1.0682	1.3484	-2.20624	
2.3	2.37969	1.2188	1.2921	0.13177	0.21317	1.0421	1.0421	1.0421	1.3484	1.0421	1.3484	-2.45218	
2.4	2.39756	1.20526	1.2507	0.13526	0.21404	1.0200	1.0200	1.0200	1.3484	1.0200	1.3484	-2.72223	
2.5	2.41671	1.1922	1.2817	0.13793	0.21566	1.0068	1.0068	1.0068	1.3484	1.0068	1.3484	-3.0217	
2.6	2.43729	1.0965	1.2558	0.14222	0.21666	1.0661	1.0661	1.0661	1.3484	1.0661	1.3484	-3.35449	
2.7	2.45945	1.0504	1.2550	0.14315	0.21766	1.0210	1.0210	1.0210	1.3484	1.0210	1.3484	-3.7282	
2.8	2.48339	1.00014	1.2188	0.14700	0.21863	1.0804	1.0804	1.0804	1.3484	1.0804	1.3484	-4.1492	
2.9	2.50931	9.4818	1.2803	0.14818	0.21961	1.0203	1.0203	1.0203	1.3484	1.0203	1.3484	-4.62765	
3.0	2.59756	9.4818	1.2803	0.14818	0.21961	1.0203	1.0203	1.0203	1.3484	1.0203	1.3484	-5.1765	
3.1	2.62746	8.9124	1.2533	0.13793	0.22055	1.0155	1.0155	1.0155	1.3484	1.0155	1.3484	-5.8124	
3.2	2.68123	8.2974	1.2252	0.12449	0.22156	1.0167	1.0167	1.0167	1.3484	1.0167	1.3484	-6.55778	
3.3	2.60167	7.6301	1.1961	0.11658	0.22278	1.0167	1.0167	1.0167	1.3484	1.0167	1.3484	-7.44440	
3.4	2.63849	7.5517	1.1658	0.10957	0.22344	1.0167	1.0167	1.0167	1.3484	1.0167	1.3484	-8.51500	
3.5	2.67907	6.6125	1.1343	0.1125	0.22414	1.0167	1.0167	1.0167	1.3484	1.0167	1.3484	-9.83356	

TABLE I.—Continued

TABLE I.—Continued

TABLE I.—Continued

$\alpha$	$\theta =$	$\frac{S_{11}}{D/q}$	$\frac{S}{D/q}$	$\frac{S^2}{D/q^2}$	$\frac{S^2 \sigma^2}{(D/q)^2}$	$\frac{SIV}{D/q}$
$\Delta = 0.92$						
0	0	1.16514	1.72924	1.77556	0.02526867	1.18878
0.1	1.16799	1.7119	1.76353	1.71529	0.02526867	1.082212
0.2	1.17257	1.7270	1.76933	1.7257	0.02526867	1.082212
0.3	1.17655	1.7374	1.76981	1.7374	0.02526867	1.082212
0.4	1.18052	1.7476	1.76981	1.7476	0.02526867	1.082212
0.5	1.18452	1.7576	1.75961	1.7576	0.02526867	1.082212
0.6	1.19063	1.7676	1.75961	1.7676	0.02526867	1.082212
0.7	1.19663	1.7761	1.69965	1.7761	0.02526867	1.082212
0.8	1.21298	1.7852	1.69965	1.7852	0.02526867	1.082212
0.9	1.22878	1.7942	1.55969	1.7942	0.02526867	1.082212
1.0	1.24458	1.8032	1.36515	1.8032	0.02526867	1.082212
1.1	1.26038	1.8122	1.17269	1.8122	0.02526867	1.082212
1.2	1.27618	1.8212	1.05235	1.8212	0.02526867	1.082212
1.3	1.29198	1.8292	1.05235	1.8292	0.02526867	1.082212
1.4	1.30778	1.8382	1.05235	1.8382	0.02526867	1.082212
1.5	1.32358	1.8472	1.05235	1.8472	0.02526867	1.082212
1.6	1.33938	1.8562	1.05235	1.8562	0.02526867	1.082212
1.7	1.35518	1.8652	1.05235	1.8652	0.02526867	1.082212
1.8	1.37098	1.8742	1.05235	1.8742	0.02526867	1.082212
1.9	1.38678	1.8832	1.05235	1.8832	0.02526867	1.082212
2.0	1.40258	1.8922	1.05235	1.8922	0.02526867	1.082212
2.1	1.41838	1.9012	1.05235	1.9012	0.02526867	1.082212
2.2	1.43418	1.9092	1.05235	1.9092	0.02526867	1.082212
2.3	1.44998	1.9182	1.05235	1.9182	0.02526867	1.082212
2.4	1.46578	1.9272	1.05235	1.9272	0.02526867	1.082212
2.5	1.48158	1.9362	1.05235	1.9362	0.02526867	1.082212
2.6	1.49738	1.9452	1.05235	1.9452	0.02526867	1.082212
2.7	1.51318	1.9542	1.05235	1.9542	0.02526867	1.082212
2.8	1.52898	1.9632	1.05235	1.9632	0.02526867	1.082212
2.9	1.54478	1.9722	1.05235	1.9722	0.02526867	1.082212
3.0	1.56058	1.9812	1.05235	1.9812	0.02526867	1.082212
3.1	1.57638	1.9902	1.05235	1.9902	0.02526867	1.082212
3.2	1.59218	1.9992	1.05235	1.9992	0.02526867	1.082212
3.3	1.60798	2.0082	1.05235	2.0082	0.02526867	1.082212
3.4	1.62378	2.0172	1.05235	2.0172	0.02526867	1.082212
3.5	1.63958	2.0262	1.05235	2.0262	0.02526867	1.082212

$\alpha$	$\theta =$	$\frac{S_{11}}{D/q}$	$\frac{S}{D/q}$	$\frac{S^2}{D/q^2}$	$\frac{S^2 \sigma^2}{(D/q)^2}$	$\frac{SIV}{D/q}$
$\Delta = 0.90$						
3.6	3.6	0.736066	0.190658	1.08126	0.546218	0.282139
3.7	3.7	0.736066	0.190658	1.08020	0.638602	0.282139
3.8	3.8	0.736066	0.190658	1.07920	0.625553	0.282111
3.9	3.9	0.736066	0.190658	1.07820	0.732900	0.282109
4.0	4.0	0.736066	0.190658	1.07720	0.723645	0.282096
4.1	4.1	1.05619	-1.10217	1.089658	0.955501	0.201761
4.2	4.2	1.15619	-1.28019	1.085120	1.32885	0.281661
4.3	4.3	1.25619	-1.28015	1.081520	1.32885	0.281661
4.4	4.4	1.35619	-1.28015	1.077136	1.32885	0.281661
4.5	4.5	1.45619	-1.28015	1.073136	1.32885	0.281661
4.6	4.6	1.72574	-1.32374	1.066481	1.32726	0.281661
4.7	4.7	1.82574	-1.32374	1.05882	1.32726	0.281661
4.8	4.8	1.92574	-1.32374	1.05120	1.32726	0.281661
4.9	4.9	2.02574	-1.32374	1.04358	1.32726	0.281661
5.0	5.0	2.12574	-1.32374	1.03596	1.32726	0.281661
5.1	5.1	2.22574	-1.32374	1.02834	1.32726	0.281661
5.2	5.2	2.32574	-1.32374	1.02072	1.32726	0.281661
5.3	5.3	2.42574	-1.32374	1.01310	1.32726	0.281661
5.4	5.4	2.52574	-1.32374	1.00548	1.32726	0.281661
5.5	5.5	2.62574	-1.32374	0.99785	1.32726	0.281661
5.6	5.6	2.72574	-1.32374	0.98985	1.32726	0.281661
5.7	5.7	2.82574	-1.32374	0.98185	1.32726	0.281661
5.8	5.8	2.92574	-1.32374	0.97385	1.32726	0.281661
5.9	5.9	3.02574	-1.32374	0.96585	1.32726	0.281661
6.0	6.0	3.12574	-1.32374	0.95785	1.32726	0.281661
6.1	6.1	3.22574	-1.32374	0.94985	1.32726	0.281661
6.2	6.2	3.32574	-1.32374	0.94185	1.32726	0.281661
6.3	6.3	3.42574	-1.32374	0.93385	1.32726	0.281661
6.4	6.4	3.52574	-1.32374	0.92585	1.32726	0.281661
6.5	6.5	3.62574	-1.32374	0.91785	1.32726	0.281661
6.6	6.6	3.72574	-1.32374	0.90985	1.32726	0.281661
6.7	6.7	3.82574	-1.32374	0.90185	1.32726	0.281661
6.8	6.8	3.92574	-1.32374	0.89385	1.32726	0.281661
6.9	6.9	4.02574	-1.32374	0.88585	1.32726	0.281661
7.0	7.0	4.12574	-1.32374	0.87785	1.32726	0.281661

TABLE I.—Continued

$k$	$\alpha$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$\alpha^2$	$\frac{\alpha^2 \theta^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{b} = 0.94$						
0	0	0.168851	1.69522	0.0285105	0.0898128	3.6
0.1	0.171250	1.68644	1.74497	0.0285105	0.145023	3.7
0.2	1.79873	1.66223	1.73308	0.0302330	0.0911950	3.8
0.3	1.85729	1.64958	1.72091	0.0325753	0.0958182	3.9
0.4	1.91844	1.63764	1.69588	0.0349268	0.1068198	4.0
0.5	1.98222	1.61685	1.68298	0.0368033	0.105849	4.1
0.6	204882	1.59972	1.66981	0.0419765	0.1170411	4.2
0.7	211842	1.58233	1.65636	0.048768	0.125120	4.3
0.8	219121	1.56375	1.64261	0.050388	0.129550	4.4
0.9	226740	1.54481	1.62857	0.051108	0.136354	4.5
1.0	234721	1.52527	1.61421	0.050969	0.135356	4.6
1.1	2413090	1.50500	1.59972	0.059025	0.151186	4.7
1.2	251872	1.48396	1.58048	0.0634396	0.159271	4.8
1.3	261098	1.46212	1.56909	0.0681722	0.157843	4.9
1.4	270799	1.43962	1.55333	0.0733322	0.16938	5.0
1.5	281011	1.41579	1.53718	0.0786975	0.186593	5.1
1.6	291773	1.39116	1.52062	0.0851334	0.196847	5.2
1.7	315127	1.35633	1.50547	0.0918861	0.20748	5.3
1.8	32808	1.33862	1.48620	0.0923074	0.219337	5.4
1.9	343935	1.31052	1.46831	0.107458	0.23671	5.5
2.0	341245	1.28108	1.449648	0.116448	0.244806	5.6
2.1	355499	1.25017	1.42103	0.126380	0.258804	5.7
2.2	36082	1.21767	1.41159	0.137375	0.27732	5.8
2.3	386735	1.18344	1.39559	0.148620	0.289587	5.9
2.4	403931	1.14731	1.37100	0.163160	0.306882	6.0
2.5	42274	1.10910	1.36978	0.178315	0.324874	6.1
2.6	441901	1.06860	1.32791	0.195277	0.344338	6.2
2.7	462947	1.02558	1.30324	0.214320	0.365281	6.3
2.8	48569	979763	1.28803	0.235774	0.38721	6.4
2.9	509633	930632	1.25796	0.260324	0.411790	6.5
3.0	53254	878474	1.23906	0.287568	0.43721	6.6
3.1	561763	822224	1.20730	0.318957	0.464905	6.7
3.2	595738	761615	1.18862	0.354904	0.494689	6.8
3.3	62903	696075	1.15297	0.396274	0.526791	6.9
3.4	668143	624933	1.12628	0.441174	0.562100	7.0
3.5	707015	547383	1.09448	0.499871	0.598151	7.1

$k$	$\alpha$	$\frac{SII}{D/b}$	$\frac{S}{D/b}$	$\alpha^2$	$\frac{\alpha^2 \theta^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
$\frac{\lambda}{b} = 0.94$						
3.6	0.751170	0.462460	1.06351	0.569158	0.639229	0.263996
3.7	0.80175	0.368925	1.03129	0.68022	0.68022	0.204841
3.8	0.856646	0.265524	0.997730	0.738482	0.738482	0.143029
3.9	0.918594	0.150565	0.92735	0.838184	0.782997	0.073725
4.0	0.984844	0.0212090	0.926203	0.97101	0.838209	0.016659
4.1	1.06792	-0.124734	0.888021	1.14046	0.893448	-0.063184
4.2	1.15899	-0.129166	0.848064	1.14046	0.96080	-0.134830
4.3	1.25438	-0.128438	0.848064	1.14046	1.18899	-0.213144
4.4	1.28438	-0.127548	0.762256	1.13325	1.20905	-0.25567
4.5	1.35407	-0.126491	0.762256	1.13325	1.20675	-0.382437
4.6	1.41046	-0.125867	0.716084	1.205336	1.20675	-0.4830
4.7	1.46748	-0.125209	0.616256	1.205336	1.20675	-0.571072
4.8	1.52438	-0.124734	0.616256	1.205336	1.20675	-0.673730
4.9	1.58438	-0.124245	0.609267	1.205336	1.20675	-0.782635
5.0	1.64438	-0.123729	0.602299	1.205336	1.20675	-0.893886
5.1	1.7032	-0.12329	0.562154	1.205336	1.20675	-0.997777
5.2	1.7632	-0.122817	0.562154	1.205336	1.20675	-1.097777
5.3	1.8232	-0.122317	0.562154	1.205336	1.20675	-1.197777
5.4	1.8832	-0.121828	0.562154	1.205336	1.20675	-1.297777
5.5	1.9432	-0.121329	0.562154	1.205336	1.20675	-1.397777
5.6	2.0032	-0.120829	0.562154	1.205336	1.20675	-1.497777
5.7	2.0632	-0.120329	0.562154	1.205336	1.20675	-1.597777
5.8	2.1232	-0.120329	0.562154	1.205336	1.20675	-1.697777
5.9	2.1832	-0.120329	0.562154	1.205336	1.20675	-1.797777
6.0	2.2432	-0.120329	0.562154	1.205336	1.20675	-1.897777
6.1	2.3032	-0.120329	0.562154	1.205336	1.20675	-1.997777
6.2	2.3632	-0.120329	0.562154	1.205336	1.20675	-2.097777
6.3	2.4232	-0.120329	0.562154	1.205336	1.20675	-2.197777
6.4	2.4832	-0.120329	0.562154	1.205336	1.20675	-2.297777
6.5	2.5432	-0.120329	0.562154	1.205336	1.20675	-2.397777
6.6	2.6032	-0.120329	0.562154	1.205336	1.20675	-2.497777
6.7	2.6632	-0.120329	0.562154	1.205336	1.20675	-2.597777
6.8	2.7232	-0.120329	0.562154	1.205336	1.20675	-2.697777
6.9	2.7832	-0.120329	0.562154	1.205336	1.20675	-2.797777
7.0	2.8432	-0.120329	0.562154	1.205336	1.20675	-2.897777

TABLE I.—Continued

$\frac{S}{D/b}$	$\frac{c}{D/b}$	$c^2$	$\frac{g^2 g^2}{(D/b)^2}$	$\frac{SIV}{D/b}$
0	0.176088	1.66283	1.66283	1.11387
.1	1.61803	1.61803	1.61803	1.39472
.2	1.57455	1.57455	1.57455	1.37551
.3	1.53104	1.53104	1.53104	1.35550
.4	1.48757	1.48757	1.48757	1.33559
.5	1.44305	1.44305	1.44305	1.31559
.6	1.21259	1.56723	1.61168	1.31369
.7	2.20205	1.51495	1.51495	1.29368
.8	2.27192	1.51233	1.51233	1.27367
.9	1.96268	1.51171	1.51171	1.25367
1.0	2.42055	1.49921	1.49921	1.20554
1.1	2.51932	1.47208	1.47208	1.17616
1.2	2.66877	1.45101	1.45101	1.14616
1.3	2.20266	1.40692	1.40692	1.11616
1.4	2.88133	1.37095	1.37095	1.08616
1.5	2.90512	1.38330	1.38330	1.05616
1.6	3.01442	1.35870	1.35870	1.02616
1.7	3.12966	1.33504	1.33504	0.99616
1.8	3.25129	1.30524	1.30524	0.96616
1.9	3.37985	1.28153	1.28153	0.93616
2.0	3.51591	1.26188	1.26188	0.90616
2.1	3.66011	1.22180	1.22180	0.87616
2.2	3.81319	1.18562	1.18562	0.84616
2.3	3.97587	1.15533	1.15533	0.81616
2.4	4.14916	1.10557	1.10557	0.78616
2.5	4.33369	1.07759	1.07759	0.75616
2.6	4.53156	1.03731	1.03731	0.72616
2.7	4.73738	0.99552	0.99552	0.69616
2.8	5.07035	0.96122	0.96122	0.66616
2.9	5.21484	0.90534	0.90534	0.63616
3.0	5.47832	0.81877	0.81877	0.60616
3.1	5.76313	0.79313	0.79313	0.57616
3.2	6.07210	0.72326	0.72326	0.54616
3.3	6.40936	0.68619	0.68619	0.51616
3.4	6.77636	0.59855	0.59855	0.48616
3.5	7.16559	0.42338	0.42338	0.45616

TABLE I—Continued

TABLE I.—Continued

$\frac{\lambda}{b} = 0.98$								$\frac{\lambda}{b} = 0.96$							
x	c	$\frac{s_{II}}{D/b}$	$\frac{s_{III}}{D/b}$	$\frac{s}{D/b}$	$\sigma^2$	$\frac{s_{202}}{(D/b)^2}$	$\frac{s_{11}}{D/b}$	k	c	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$\sigma^2$	$\frac{s_{202}}{(D/b)^2}$	$\frac{s_{11}}{D/b}$	
0	0.183215	1.63197	1.68866	0.0335679	0.0657220	1.37927	3.6	0.770821	0.119779	1.03436	0.591166	0.635699	0.237053		
0.1	0.19751	1.63197	1.67699	0.0367118	1.00318	1.36206	3.7	0.8508	0.8508	1.03420	0.7082	0.675020	0.1892		
0.2	0.20874	1.58628	1.69510	0.036278	1.05157	1.36828	3.9	0.93095	0.93095	1.03221	0.72869	0.720562	0.12609		
0.3	0.20754	1.57055	1.69280	0.03505	1.10251	1.30624	4.0	0.98833	0.98833	1.02364	0.90289	0.888802	0.74142		
0.4	0.213904	1.55353	1.68202	0.04554	1.12171	1.29178	4.1	1.07114	1.11971	1.13391	0.8705	1.15377	0.873392	-0.0615784	
0.5	0.220841	1.52639	1.61516	0.048707	1.12750	1.29817	4.2	1.11971	1.11971	1.13391	0.871189	1.15377	0.935900	-0.13230	
0.6	0.228081	1.51878	1.60201	0.0520217	1.13515	1.23697	4.3	1.25779	1.25779	1.287738	0.871189	1.15377	0.935900	-0.13230	
0.7	0.235648	1.50024	1.58864	0.055369	1.10104	1.21248	4.4	1.30116	1.30116	1.32710	0.865160	1.15377	0.935900	-0.13230	
0.8	0.241557	1.48152	1.57495	0.059300	1.09504	1.17176	4.5	1.35016	1.35016	1.380586	0.860586	1.26250	1.15126	-0.359356	
0.9	0.249583	1.46197	1.53197	0.053197	1.12787	1.17176	4.6	1.417863	1.417863	1.447812	0.669176	2.76132	1.23651	-0.142808	
1.0	0.266489	1.44172	1.51668	0.067598	1.162335	1.11377	4.7	1.48552	1.48552	1.51520	0.669176	2.76132	1.32904	-0.53077	
1.1	0.28683	1.42072	1.53206	0.072654	1.170583	1.1907	4.8	1.58050	1.58050	1.62045	0.571099	1.34516	1.3212	-0.62212	
1.2	0.29712	1.39892	1.51711	0.077903	1.179306	1.19306	4.9	1.67320	1.67320	1.723160	0.52799	1.65168	1.20004	-0.720004	
1.3	0.288119	1.37628	1.50182	0.083590	1.188333	1.08761	5.0	1.75584	1.75584	1.809614	0.468703	1.6814	1.1528	-0.822669	
1.4	0.296339	1.35272	1.48616	0.089784	1.198301	1.01085	5.1	1.85158	1.85158	1.91558	0.468703	1.6814	1.1528	-0.822669	
1.5	0.310708	1.32819	1.47012	0.0965597	1.208646	1.00334	5.2	1.9802	1.9802	2.052167	0.420731	1.71215	1.1528	-0.932007	
1.6	0.322370	1.30261	1.45368	0.1036227	1.219608	1.036227	5.3	2.08531	2.08531	2.16309	0.371081	1.6309	1.152045	-1.30155	
1.7	0.346670	1.27569	1.39833	0.1120404	1.212321	1.020404	5.4	2.25292	2.25292	2.32161	0.310458	1.3827	1.15128	-1.30155	
1.8	0.364393	1.24874	1.37628	0.120867	1.21525	1.01865	5.5	2.42953	2.42953	2.51261	0.262045	1.3827	1.15128	-1.30155	
1.9	0.375376	1.21887	1.34587	0.130565	1.19826	1.01865	5.6	2.60880	2.60880	2.69085	0.216990	1.27541	1.59074	-1.59074	
2.0	0.391558	1.15587	1.31587	0.140565	1.162520	1.01865	5.7	2.7812	2.7812	2.8712	0.16310	1.1776	1.59074	-1.59074	
2.1	0.407717	1.12198	1.28571	0.142561	1.162520	1.01865	5.8	2.9512	2.9512	3.0421	0.117116	1.1776	1.59074	-1.59074	
2.2	0.425619	1.08426	1.25953	0.150565	1.15953	1.01865	5.9	3.1212	3.1212	3.21161	0.071176	1.1776	1.59074	-1.59074	
2.3	0.443229	1.048855	1.21874	0.160455	1.143229	1.01865	6.0	3.3212	3.3212	3.4212	0.031476	1.1776	1.59074	-1.59074	
2.4	0.463553	1.00863	9.66302	0.1707459	1.121309	1.01865	6.1	3.5212	3.5212	3.6212	0.011476	1.1776	1.59074	-1.59074	
2.5	0.484259	8.73368	1.048855	0.1807459	1.08426	1.01865	6.2	3.7212	3.7212	3.8212	0.001476	1.1776	1.59074	-1.59074	
2.6	0.507459	7.67278	1.022150	0.1907459	9.66302	1.01865	6.3	3.9212	3.9212	4.0212	0.001476	1.1776	1.59074	-1.59074	
2.7	0.531948	6.87118	8.85826	0.202150	1.022150	1.01865	6.4	4.1212	4.1212	4.2212	0.001476	1.1776	1.59074	-1.59074	
2.8	0.56226	5.92812	7.08312	0.214881	1.022150	1.01865	6.5	4.3212	4.3212	4.4212	0.001476	1.1776	1.59074	-1.59074	
2.9	0.597119	5.07958	5.597119	0.226839	1.022150	1.01865	6.6	4.5212	4.5212	4.6212	0.001476	1.1776	1.59074	-1.59074	
3.0	0.558226	4.22150	4.822150	0.236712	1.022150	1.01865	6.7	4.7212	4.7212	4.8215	0.001476	1.1776	1.59074	-1.59074	
3.1	0.528610	3.47922	4.08312	0.246710	1.022150	1.01865	6.8	4.9212	4.9212	5.0212	0.001476	1.1776	1.59074	-1.59074	
3.2	0.501740	2.717400	3.417400	0.256710	1.022150	1.01865	6.9	5.1212	5.1212	5.2212	0.001476	1.1776	1.59074	-1.59074	
3.3	0.477040	2.057040	2.811616	0.266710	1.022150	1.01865	7.0	5.3212	5.3212	5.4212	0.001476	1.1776	1.59074	-1.59074	
3.4	0.453376	1.463376	1.811616	0.276710	1.022150	1.01865	7.1	5.5212	5.5212	5.6212	0.001476	1.1776	1.59074	-1.59074	
3.5	0.430633	0.970998	1.16988	0.286710	1.022150	1.01865	7.2	5.7212	5.7212	5.8212	0.001476	1.1776	1.59074	-1.59074	

TABLE I.—Continued

$\frac{b}{D/b}$		$\frac{s}{D/b}$		$\frac{s^2}{(D/b)^2}$		$\frac{s^3}{(D/b)^3}$		$\frac{s^4}{(D/b)^4}$	
$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$	
$k$	$c$	$\frac{sII}{D/b}$	$\frac{sI}{D/b}$	$\frac{s^2}{D/b}$	$\frac{s^3}{(D/b)^2}$	$\frac{s^4}{(D/b)^3}$	$\frac{s^5}{(D/b)^4}$	$\frac{s^6}{(D/b)^5}$	$\frac{s^7}{(D/b)^6}$
0	0.19623	1.6025	1.6627	0.10001	1.3161	1.2267	1.1219	1.0219	0.9219
0.1	0.19623	1.5878	1.6512	0.028186	1.3161	1.2267	1.1219	1.0219	0.9219
0.2	0.20322	1.5725	1.5947	0.05646	1.3161	1.2267	1.1219	1.0219	0.9219
0.3	0.21424	1.5475	1.5725	0.05330	1.3161	1.2267	1.1219	1.0219	0.9219
0.4	0.22518	1.5218	1.5218	0.06300	1.3161	1.2267	1.1219	1.0219	0.9219
0.5	0.23586	1.5071	1.5071	0.07228	1.3161	1.2267	1.1219	1.0219	0.9219
0.6	0.22853	1.4924	1.4924	0.08226	1.3161	1.2267	1.1219	1.0219	0.9219
0.7	0.24586	1.4769	1.4769	0.09226	1.3161	1.2267	1.1219	1.0219	0.9219
0.8	0.25211	1.4612	1.4612	0.10226	1.3161	1.2267	1.1219	1.0219	0.9219
0.9	0.26000	1.4457	1.4457	0.11226	1.3161	1.2267	1.1219	1.0219	0.9219
1.0	0.26879	1.4294	1.4294	0.12226	1.3161	1.2267	1.1219	1.0219	0.9219
1.1	0.27769	1.4137	1.4137	0.13226	1.3161	1.2267	1.1219	1.0219	0.9219
1.2	0.28617	1.3974	1.3974	0.14226	1.3161	1.2267	1.1219	1.0219	0.9219
1.3	0.29457	1.3817	1.3817	0.15226	1.3161	1.2267	1.1219	1.0219	0.9219
1.4	0.30329	1.3660	1.3660	0.16226	1.3161	1.2267	1.1219	1.0219	0.9219
1.5	0.31221	1.3503	1.3503	0.17226	1.3161	1.2267	1.1219	1.0219	0.9219
1.6	0.31957	1.3245	1.2995	0.18226	1.3161	1.2267	1.1219	1.0219	0.9219
1.7	0.34375	1.2775	1.2775	0.19226	1.3161	1.2267	1.1219	1.0219	0.9219
1.8	0.35687	1.2307	1.2307	0.20226	1.3161	1.2267	1.1219	1.0219	0.9219
1.9	0.35987	1.2137	1.2137	0.21226	1.3161	1.2267	1.1219	1.0219	0.9219
2.0	0.37062	1.1767	1.1767	0.22226	1.3161	1.2267	1.1219	1.0219	0.9219
2.1	0.38529	1.1402	1.1402	0.23226	1.3161	1.2267	1.1219	1.0219	0.9219
2.2	0.4079	1.1045	1.1045	0.24226	1.3161	1.2267	1.1219	1.0219	0.9219
2.3	0.4372	1.0687	1.0687	0.25226	1.3161	1.2267	1.1219	1.0219	0.9219
2.4	0.47173	1.0330	1.0330	0.26226	1.3161	1.2267	1.1219	1.0219	0.9219
2.5	0.50529	1.0079	1.0079	0.27226	1.3161	1.2267	1.1219	1.0219	0.9219
2.6	0.54133	9.84882	9.84882	0.28226	1.3161	1.2267	1.1219	1.0219	0.9219
2.7	0.58750	9.7836	9.7836	0.29226	1.3161	1.2267	1.1219	1.0219	0.9219
2.8	0.53696	9.7285	9.7285	0.30226	1.3161	1.2267	1.1219	1.0219	0.9219
2.9	0.54133	9.6731	9.6731	0.31226	1.3161	1.2267	1.1219	1.0219	0.9219
3.0	0.56750	9.6176	9.6176	0.32226	1.3161	1.2267	1.1219	1.0219	0.9219
3.1	0.59572	9.4438	9.4438	0.33226	1.3161	1.2267	1.1219	1.0219	0.9219
3.2	0.62222	9.2855	9.2855	0.34226	1.3161	1.2267	1.1219	1.0219	0.9219
3.3	0.65929	9.1291	9.1291	0.35226	1.3161	1.2267	1.1219	1.0219	0.9219
3.4	0.69526	8.9726	8.9726	0.36226	1.3161	1.2267	1.1219	1.0219	0.9219
3.5	0.73452	8.8157	8.8157	0.37226	1.3161	1.2267	1.1219	1.0219	0.9219

TABLE I.—Continued

$\frac{b}{D/b}$		$\frac{s}{D/b}$		$\frac{sII}{D/b}$		$\frac{s^2}{(D/b)^2}$		$\frac{s^3}{(D/b)^3}$	
$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$		$\lambda = 1.00$	
$k$	$c$	$\frac{sII}{D/b}$	$\frac{sI}{D/b}$	$\frac{s^2}{D/b}$	$\frac{s^3}{(D/b)^2}$	$\frac{s^4}{(D/b)^3}$	$\frac{s^5}{(D/b)^4}$	$\frac{s^6}{(D/b)^5}$	$\frac{s^7}{(D/b)^6}$
0	0.19623	1.6025	1.6627	0.10001	1.3161	1.2267	1.1219	1.0219	0.9219
0.1	0.19623	1.5878	1.6512	0.028186	1.3161	1.2267	1.1219	1.0219	0.9219
0.2	0.20322	1.5725	1.5947	0.05646	1.3161	1.2267	1.1219	1.0219	0.9219
0.3	0.21424	1.5475	1.5725	0.05330	1.3161	1.2267	1.1219	1.0219	0.9219
0.4	0.22518	1.5218	1.5218	0.06300	1.3161	1.2267	1.1219	1.0219	0.9219
0.5	0.23586	1.4924	1.4924	0.07226	1.3161	1.2267	1.1219	1.0219	0.9219
0.6	0.22853	1.4769	1.4769	0.08226	1.3161	1.2267	1.1219	1.0219	0.9219
0.7	0.24586	1.4612	1.4612	0.09226	1.3161	1.2267	1.1219	1.0219	0.9219
0.8	0.25211	1.4457	1.4457	0.10226	1.3161	1.2267	1.1219	1.0219	0.9219
0.9	0.26000	1.4300	1.4300	0.11226	1.3161	1.2267	1.1219	1.0219	0.9219
1.0	0.26879	1.4143	1.4143	0.12226	1.3161	1.2267	1.1219	1.0219	0.9219
1.1	0.27769	1.3987	1.3987	0.13226	1.3161	1.2267	1.1219	1.0219	0.9219
1.2	0.28617	1.3830	1.3830	0.14226	1.3161	1.2267	1.1219	1.0219	0.9219
1.3	0.29457	1.3673	1.3673	0.15226	1.3161	1.2267	1.1219	1.0219	0.9219
1.4	0.30329	1.3517	1.3517	0.16226	1.3161	1.2267	1.1219	1.0219	0.9219
1.5	0.31221	1.3360	1.3360	0.17226	1.3161	1.2267	1.1219	1.0219	0.9219
1.6	0.31957	1.3203	1.2995	0.18226	1.3161	1.2267	1.1219	1.0219	0.9219
1.7	0.34375	1.2847	1.2775	0.19226	1.3161	1.2267	1.1219	1.0219	0.9219
1.8	0.35687	1.2590	1.2575	0.20226	1.3161	1.2267	1.1219	1.0219	0.9219
1.9	0.35987	1.2333	1.2307	0.21226	1.3161	1.2267	1.1219	1.0219	0.9219
2.0	0.37062	1.2076	1.2057	0.22226	1.3161	1.2267	1.1219	1.0219	0.9219
2.1	0.38529	1.1820	1.1802	0.23226	1.3161	1.2267	1.1219	1.0219	0.9219
2.2	0.4079	1.1564	1.1545	0.24226	1.3161	1.2267	1.1219	1.0219	0.9219
2.3	0.4372	1.1308	1.1287	0.25226	1.3161	1.2267	1.1219	1.0219	0.9219
2.4	0.47173	1.1051	1.0945	0.26226	1.3161	1.2267	1.1219	1.0219	0.9219
2.5	0.50529	1.0795	1.0687	0.27226	1.3161	1.2267	1.1219	1.0219	0.9219
2.6	0.54133	1.0438	1.0330	0.28226	1.3161	1.2267	1.1219	1.0219	0.9219
2.7	0.58750	1.0079	1.0001	0.29226	1.3161	1.2267	1.1219	1.0219	0.9219
2.8	0.53696	9.8218	9.8182	0.30226	1.3161	1.2267	1.1219	1.0219	0.9219
2.9	0.54133	9.7651	9.7513	0.31226	1.3161	1.2267	1.1219	1.0219	0.9219
3.0	0.56750	9.7096	9.6958	0.32226	1.3161	1.2267	1.1219	1.0219	0.9219
3.1	0.59572	9.6438	9.5919	0.33226	1.3161	1.2267	1.1219	1.0219	0.9219
3.2	0.62222	9.5855	9.5339	0.34226	1.3161	1.2267	1.1219	1.0219	0.9219
3.3	0.65929	9.5267	9.4752	0.35226	1.3161	1.2267	1.1219	1.0219	0.9219
3.4	0.69526	9.4695	9.4177	0.36226	1.3161	1.2267	1.1219	1.0219	0.9219
3.5	0.73452	9.4152	9.3639	0.37226	1.3161	1.2267	1.1219	1.0219	0.9219

TABLE I.—Continued

$\frac{\lambda}{b}$	$\alpha$	$\beta$	$\frac{g_{11}}{D/b}$	$\frac{g}{D/b}$	$\theta^2$	$\frac{s_C c^2}{(\bar{D}/b)^2}$	$\frac{s_{IV}}{D/b}$
$\frac{\lambda}{b} = 1.10$							
3.6	0.78985	0	3.69555	0.98219	0.62387	0.60220	0.20617
3.7	0.83110	-2.632	9.5811	0.69712	0.62406	0.16165	
3.8	0.87602	-2.1700	9.3296	0.76747	0.67977	0.15667	
3.9	0.92503	-1.0702	8.5586	0.70110	0.7010	0.06709	
4.0	0.97903	-0.88021	9.5586	0.74262	0.74262	0.01860	
4.1	1.03084	-0.26801	8.5251	1.07984	0.78372	-0.03271	
4.2	1.1012	-1.8072	8.2386	1.21947	0.82704	-0.05884	
4.3	1.1775	-3.0700	7.9421	1.38697	0.87460	-0.14692	
4.4	1.2596	-1.785	7.6350	1.3866	0.92486	-0.19880	
4.5	1.3521	-0.66601	7.3167	1.6283	0.97873	-0.25761	
4.6	1.4573	-7.81499	6.9863	2.1236	1.0365	-0.31916	
4.7	1.5777	-9.69730	6.69434	2.4991	1.0986	-0.38579	
4.8	1.7120	-1.22448	6.2871	2.9182	1.1653	-0.45084	
4.9	1.8800	-1.49295	5.9163	2.9346	1.2372	-0.52066	
5.0	2.0733	-1.8242	5.5303	2.985	1.3147	-0.59336	
5.1	2.3060	-2.2114	5.1280	5.3176	1.3983	-0.66971	
5.2	2.5915	-2.6813	4.7083	6.7161	1.4888	-0.74934	
5.3	2.9502	-2.4892	4.2698	8.024	1.5868	-0.83268	
5.4	3.4139	-4.0608	3.8114	11.654	1.6920	-0.92001	
5.5	4.0367	-5.0953	3.3331	16.295	1.8084	-1.0116	
5.6	4.9172	-6.5556	2.8282	24.179	1.9341	-1.1079	
5.7	6.2568	-8.742	2.3001	39.147	2.0711	-1.2091	
5.8	8.5100	-12.552	1.7450	72.931	2.2207	-1.3557	
5.9	13.25	-20.450	1.1606	177.02	2.3868	-1.5469	
6.0	29.07	-47.037	0.05445	864.478	2.5604	-1.5469	
6.1	-156.76	260.51	-0.010602	2457.3	2.7621	-1.6726	
6.2	-21.736	37.473	-0.079123	472.4	2.9802	-1.8071	
6.3	-11.750	20.990	-0.15235	13.78	3.2211	-1.9407	
6.4	-8.1278	11.950	-0.22979	6.6061	3.4882	-2.0975	
6.5	-6.2321	11.813	-0.31228	3.8839	3.7851	-2.2577	
6.6	-5.0716	9.8896	-0.40004	25.721	4.1163	-2.4289	
6.7	-4.2883	8.5896	-0.46946	18.320	4.8688	-2.6121	
6.8	-3.2986	7.5212	-0.59455	12.870	5.0029	-2.80848	
6.9	-2.9861	6.3874	-0.70295	8.0881	5.3720	-3.02584	
7.0	-2.9861	6.3874	-0.70295	8.7978	5.9030	-3.2087	

TABLE I.—Continued

$\frac{S_{II}}{D/b}$	$\frac{S_{III}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2\sigma^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{III}}{D/b}$
0	0.22324	1.4743	1.5517	0.049880	0.12009	1.2051
.1	0.22950	1.4557	1.5209	0.052617	0.12509	1.3551
.2	0.23590	1.4295	1.5299	0.056474	0.13026	1.2339
.3	0.24193	1.4175	1.5078	0.062210	0.13123	1.2461
.4	0.25658	1.3947	1.4959	0.069481	0.13733	1.1981
.5	0.26401	1.3807	1.4847	0.069703	0.13536	1.1121
.6	0.27175	1.3635	1.4722	0.070873	0.13005	1.0515
.7	0.27880	1.3457	1.4600	0.072699	0.12440	0.9875
.8	0.28819	1.3274	1.4476	0.075269	0.11813	0.8769
.9	0.29693	1.3081	1.4349	0.085166	0.11243	0.72718
1.0						
1.1	0.30604	1.2888	1.4220	0.08662	0.10939	0.98686
1.2	0.32549	1.2695	1.3988	0.09576	0.10729	0.96426
1.3	0.34549	1.2476	1.3654	0.10655	0.10229	0.91120
1.4	0.37568	1.2258	1.3817	0.11282	0.21537	-0.50504
1.5	0.41775	1.2032	1.3677	0.12024	0.22474	-2.3122
1.6	0.46814	1.1758	1.3534	0.12836	0.23492	-27.694
1.7	0.52007	1.1554	1.3388	0.13695	0.24546	
1.8	0.58259	1.1330	1.3229	0.14587	0.25553	
1.9	0.65574	1.1077	1.3036	0.15581	0.26818	
2.0	0.73954	1.0761	1.2930	0.16747	0.28014	
2.1	0.83364	1.0473	1.2770	0.17988	0.29335	
2.2	0.93764	1.0172	1.2607	0.19312	0.30695	
2.3	1.05237	9.8527	1.2474	0.20761	0.32128	
2.4	1.17767	9.6528	1.2340	0.22169	0.33262	
2.5	1.31347	9.4528	1.2209	0.23692	0.35234	
2.6	1.46816	9.2528	1.2077	0.25269	0.37354	
2.7	1.63253	9.0527	1.1943	0.26911	0.38917	
2.8	1.80670	8.8527	1.1799	0.28128	0.38695	
2.9	1.98980	8.6527	1.1646	0.30169	0.40574	
3.0	2.18287	8.4527	1.1493	0.32055	0.42561	
3.1	2.38587	8.2527	1.1339	0.33551	0.44684	
3.2	2.60010	8.0527	1.1186	0.35551	0.46807	
3.3	2.82323	7.8527	1.0934	0.39121	0.48873	
3.4	3.05627	7.6527	1.0670	0.51750	0.51750	
3.5	3.30076	7.4527	1.0321	0.57225	0.57225	

TABLE I.—Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s_{III}}{D/b}$	$\frac{s_{IV}}{D/b}$
$\frac{\lambda}{b} = 1.20$							
0	0.25298	1.3716	1.1654	0.063997	0.13742	1.0917	1.2528
.1	2.932	1.3575	1.552	0.067268	1.12425	1.0780	1.196
.2	2.6588	1.3431	1.553	0.070697	1.1768	1.0610	1.1822
.3	2.2668	1.3284	1.552	0.074428	1.15312	1.0428	1.1725
.4	2.2791	1.3132	1.556	0.078235	1.15879	1.0262	1.0898
.5	2.8899	1.2976	1.111	0.082331	1.16469	1.00882	1.30309
.6	2.453	1.2816	1.403	0.086750	1.17083	9.8998	9.5955
.7	3.036	1.2651	1.924	0.091420	1.17723	9.7157	8.0559
.8	3.107	1.2481	1.3812	0.096394	1.18390	9.5240	7.5553
.9	3.1890	1.2306	1.392	1.0170	1.1985	9.3305	5.6939
1.0	3.2265	1.2126	1.5584	1.0735	1.19810	9.1332	7.7233
1.1	3.364	1.1940	1.2167	1.1340	1.20565	8.9320	0.210451
1.2	3.4620	1.1748	1.3248	1.1986	2.13547	8.7267	-6.7293
1.3	3.6605	1.1550	1.3226	1.2677	2.2174	8.5172	-2.1758
1.4	3.6239	1.1345	1.303	1.3417	2.3035	8.3033	-30.579
1.5	3.7697	1.1133	1.2977	1.2121	2.2931	8.0849	0.2121
1.6	3.881	1.0913	1.0686	1.2818	1.5063	21.867	2.1045
1.7	3.9974	1.0688	1.0450	1.1696	1.56979	2.6865	1.7602
1.8	4.1188	1.0450	1.2565	1.1805	1.8025	2.3200	1.6133
1.9	4.2558	1.0205	1.2519	1.19172	1.2310	1.9172	1.2310
2.0	4.3736	0.99500	1.1727	1.2310	2.23054	2.29054	1.1727
2.1	4.5172	0.96852	1.2169	1.2010	3.0223	6.67173	1.1727
2.2	4.6363	0.91093	1.2059	1.2179	3.1147	6.1564	1.2059
2.3	4.8197	0.91217	1.1877	1.2179	3.2729	6.1564	1.1877
2.4	4.9727	0.88121	1.1727	1.2179	3.3071	5.8898	1.1727
2.5	5.1445	0.95079	1.1573	1.1573	3.55477	5.6171	1.1573
2.6	5.3216	0.81797	1.1116	1.126	2.8352	3.6952	0.53376
2.7	5.5125	0.78358	1.1092	1.092	3.0386	3.86198	5.0513
2.8	5.7105	0.74749	1.092	1.0733	3.2610	4.0120	4.7579
2.9	5.9200	0.70957	1.092	1.092	3.5046	4.1823	4.7579
3.0	6.1117	0.66966	1.0733	1.0733	3.7721	4.3612	4.11486
3.1	6.3768	0.62759	1.0577	1.0577	4.0664	4.591	3.83322
3.2	6.6265	0.58316	1.0397	1.0397	4.3911	4.766	3.55074
3.3	6.8921	0.53615	1.0213	1.0213	4.7502	4.9547	3.2740
3.4	7.1752	0.48632	1.0024	1.0024	5.130	5.1484	2.8315
3.5	7.4775	0.33539	0.98303	0.98303	5.4032	5.5913	2.4797

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s_{III}}{D/b}$	$\frac{s_{IV}}{D/b}$
$\frac{\lambda}{b} = 1.20$							
3.6	0	0.78010	0.37703	0.96318	0.50856	0.56157	0.21180
3.7	0.81479	0.31689	0.4281	0.63289	0.29012	0.17461	0.1336
3.8	0.82029	0.28525	0.29210	0.72606	0.6108	0.64552	0.09684
3.9	0.82226	0.18352	0.90013	0.79618	0.6556	0.6556	0.0566
4.0	0.93574	0.10926	0.87837	0.87561	0.7486	0.04679	0.02836
4.1	0.98285	0.029106	0.8559	0.9599	0.70320	0.01679	0.01727
4.2	1.0311	0.017695	0.83237	1.0693	0.7486	0.01727	0.01854
4.3	1.0900	0.15204	0.80827	1.1881	0.7936	0.018196	0.016580
4.4	1.1513	0.25500	0.78366	1.3254	0.85280	0.01784	0.016580
4.5	1.2187	0.36785	0.75822	1.4852	0.85280	0.01784	0.016580
4.6	1.2932	0.49214	0.73199	1.6723	0.8905	0.02161	0.026505
4.7	1.3760	0.63974	0.70492	1.8232	0.94089	0.028108	0.031721
4.8	1.4685	0.7303	0.67705	1.9566	0.9881	0.031716	0.037116
4.9	1.5726	0.95485	0.64822	2.4730	1.0291	0.0330	0.042702
5.0	1.6905	1.1489	0.61804	2.8577	1.0930	0.0330	0.042702
5.1	1.8251	1.2911	0.58767	3.3310	1.1904	0.0488	0.0488
5.2	1.9803	1.4685	0.52582	3.7826	1.2115	0.0488	0.0488
5.3	2.1611	1.6190	0.52286	4.0876	1.266	0.0488	0.0488
5.4	2.3747	1.8155	0.48879	4.3786	1.3079	0.0488	0.0488
5.5	2.6265	2.0815	0.45328	5.63778	1.3667	0.0488	0.0488
5.6	2.9111	2.3698	0.41653	6.9159	1.4210	0.0488	0.0488
5.7	3.2878	2.8139	0.37826	8.6499	1.5007	0.0488	0.0488
5.8	3.2846	2.8139	0.37826	11.080	1.5862	0.0488	0.0488
5.9	3.4815	5.6757	0.33869	14.628	1.6779	0.0488	0.0488
6.0	3.5926	7.1753	0.29711	20.084	1.7765	0.0488	0.0488
6.1	3.7111	7.1753	0.25473	29.080	1.8825	0.0488	0.0488
6.2	3.9111	8.151	0.20963	31.507	1.9867	0.0488	0.0488
6.3	4.1111	8.151	0.16533	34.628	2.0867	0.0488	0.0488
6.4	4.3111	8.151	0.12105	37.826	2.1875	0.0488	0.0488
6.5	4.5111	8.151	0.07693	41.151	2.2875	0.0488	0.0488
6.6	4.7111	8.151	0.03293	44.536	2.3875	0.0488	0.0488
6.7	4.9111	8.151	0.00953	47.908	2.4875	0.0488	0.0488
6.8	5.1111	8.151	0.00953	51.307	2.5875	0.0488	0.0488
6.9	5.3111	8.151	0.00953	54.706	2.6875	0.0488	0.0488
7.0	5.5111	8.151	0.00953	58.105	2.7875	0.0488	0.0488

TABLE I.—Continued

$\lambda$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$	$\frac{sIII}{D/b}$
$\frac{\lambda}{b} = 1.50$							
0	0.32209	1.1638	1.2985	0.10374	0.17492	0.88027	95053
.1	•32815	1.1519	1.2909	0.10768	0.186726	0.90637	95053
.2	•34347	1.1397	1.2832	0.11180	0.17041	0.75709	39571
.3	•34075	1.1232	1.2754	0.11611	0.18888	0.77920	35916
.4	•34731	1.1171	1.2676	0.12063	0.19381	0.80237	32699
.5	•35405	1.1017	1.2596	0.12535	0.19388	0.82669	90116
.6	•36098	1.0884	1.2515	0.13031	0.20110	0.79975	51946
.7	•36810	1.0769	1.2534	0.13550	0.20947	0.78565	36968
.8	•37542	1.0694	1.2351	0.14094	0.21500	0.77141	19225
.9	•38295	1.0618	1.2267	0.14695	0.22070	0.75695	-1.4835
1.0	•39071	1.0323	1.2183	0.15265	0.22656	0.74228	-0.66163
1.1	•39869	1.0174	1.2097	0.15895	0.23260	0.72740	-1.7220
1.2	•40690	1.0022	1.2010	0.16557	0.23882	0.71231	-5.0716
1.3	•41537	98652	1.1922	0.17253	0.24537	0.69700	-2.1522
1.4	•42437	97017	1.1833	0.17984	0.25184	0.68147	-1.1142
1.5	•43309	95402	1.1743	0.18757	0.25665	0.66570	-0.66163
1.6	•44237	93712	1.1651	0.19570	0.26566	0.64971	-0.1564
1.7	•45195	91977	1.1559	0.20426	0.27590	0.63347	1.2019
1.8	•46188	90162	1.1456	0.21330	0.28635	0.61699	0.9016
1.9	•47205	88360	1.1370	0.22283	0.29598	0.60026	0.58326
2.0	•48260	86474	1.1273	0.23291	0.29985	0.58326	0.58326
2.1	•49351	84534	1.1175	0.24356	0.30116	0.56601	0.6016
2.2	•50458	82535	1.1076	0.25482	0.31261	0.54818	0.6016
2.3	•52857	78554	1.0973	0.26675	0.32121	0.52675	0.6016
2.4	•54110	76164	1.0970	0.29279	0.33960	0.50422	0.6016
2.5	•56409	73904	1.0665	0.30702	0.34919	0.47555	0.6016
2.6	•58757	71570	1.0558	0.32213	0.35909	0.45555	0.6016
2.7	•59158	69548	1.0558	0.32802	0.36942	0.43728	0.6016
2.8	•59555	67552	1.0558	0.33280	0.37988	0.41766	0.6016
2.9	•59907	66622	1.0370	0.35530	0.39080	0.39772	0.6016
3.0	•61117	64080	1.0229	0.37353	0.41371	0.40269	0.6016
3.1	•62687	61405	1.0115	0.39296	0.42375	0.37744	0.6016
3.2	•64120	58622	1.0001	0.41371	0.43590	0.35681	0.6016
3.3	•66023	55754	0.98837	0.42582	0.33582	0.32148	0.6016
3.4	•67792	52754	0.96561	0.43689	0.34502	0.29275	0.6016
3.5	•69946	49664	0.94644	0.45120	0.36502	0.29275	0.6016

$\lambda$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$a^2$	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$	$\frac{sIII}{D/b}$
$\frac{\lambda}{b} = 1.50$							
3.6	0.71578	0.46135	0.46135	0.95222	0.51234	0.46455	0.27064
3.7	0.73597	0.42057	0.42057	0.93977	0.51165	0.47837	0.24813
3.8	0.75709	0.39571	0.39571	0.92711	0.51165	0.49268	0.22520
3.9	0.77920	0.35916	0.35916	0.91425	0.60725	0.50749	0.20187
4.0	0.80237	0.32699	0.32699	0.90116	0.64580	0.52283	0.17809
4.1	0.82669	0.28108	0.28108	0.88785	0.68211	0.53872	0.15388
4.2	0.85222	0.23531	0.23531	0.87434	0.72629	0.55219	0.12920
4.3	0.87908	0.19553	0.19553	0.86053	0.77278	0.57226	0.10406
4.4	0.90735	0.14591	0.14591	0.84651	0.82359	0.59895	0.078126
4.5	0.93716	0.10331	0.10331	0.83223	0.87227	0.60227	0.05227
4.6	0.96863	0.05019	0.05019	0.81770	0.93024	0.62734	0.025651
4.7	1.00119	0.00350	0.00350	0.80290	1.00338	0.64709	0.001232
4.8	1.03711	0.03711	0.03711	0.79598	1.0756	0.66759	0.02926
4.9	1.07152	0.11935	0.11935	0.77246	1.1575	0.68888	0.05752
5.0	1.10245	0.18226	0.18226	0.75680	1.2147	0.71099	0.08640
5.1	1.15641	0.24986	0.24986	0.74084	1.2723	0.73395	0.11587
5.2	1.20114	0.32132	0.32132	0.72457	1.3135	0.75782	0.14596
5.3	1.24968	0.3947	0.3947	0.70797	1.3634	0.78262	0.17669
5.4	1.29880	0.47847	0.47847	0.69105	1.4169	0.80843	0.20807
5.5	1.35644	0.56389	0.56389	0.67378	1.4699	0.83526	0.24015
5.6	1.41569	0.65938	0.65938	0.65615	1.50119	0.86319	0.27292
5.7	1.47457	0.74092	0.74092	0.63819	1.5495	0.89227	0.30470
5.8	1.54971	0.82989	0.82989	0.61979	1.5916	0.92254	0.34070
5.9	1.62522	0.90819	0.90819	0.60109	1.6412	0.9508	0.37575
6.0	1.70744	1.08114	1.08114	0.58185	1.7132	0.98694	0.41160
6.1	1.79733	1.15114	1.15114	0.56225	1.75951	1.00119	0.44830
6.2	1.86611	1.24071	1.24071	0.54222	1.8095	1.0212	0.48587
6.3	1.93612	1.3276	1.3276	0.52173	1.8595	1.0570	0.52432
6.4	2.00500	1.4076	1.4076	0.50078	1.9192	1.0942	0.56325
6.5	2.0756	1.48211	1.48211	0.48078	1.9595	1.1332	0.60410
6.6	2.1510	1.56237	1.56237	0.46078	2.0116	1.1738	0.64547
6.7	2.2112	1.63817	1.63817	0.44078	2.0509	1.2163	0.68789
6.8	2.2757	1.7065	1.7065	0.42078	2.0948	1.2607	0.73139
6.9	2.3371	1.7655	1.7655	0.40078	2.1391	1.3071	0.77657
7.0	2.3965	1.8109	1.8109	0.38078	2.1804	1.3068	0.82183

TABLE I.—Continued

$\lambda$	0	$\frac{S_{II}}{D/b}$	$\frac{S}{D/b}$	$c^2$	$\frac{s^2 \cdot 2}{(D/b)^2}$	$\frac{S_{IV}}{D/b}$	$\frac{S_{III}}{D/b}$
0	0.29017	0.28950	1.1672	0.15223	0.20729	0.71179	0.63527
0.1	0.3918	0.3850	1.1523	0.15594	0.2105	0.7031	0.58207
0.2	0.3988	0.3725	1.1523	0.15594	0.2105	0.7031	0.58207
0.3	0.4053	0.3675	1.1523	0.15594	0.2105	0.7031	0.58207
0.4	0.4112	0.3625	1.1523	0.15594	0.2105	0.7031	0.58207
0.5	0.4169	0.3572	1.1523	0.15594	0.2105	0.7031	0.58207
0.6	0.4224	0.3517	1.1523	0.15594	0.2105	0.7031	0.58207
0.7	0.4277	0.3461	1.1523	0.15594	0.2105	0.7031	0.58207
0.8	0.4328	0.3404	1.1523	0.15594	0.2105	0.7031	0.58207
0.9	0.4377	0.3346	1.1523	0.15594	0.2105	0.7031	0.58207
1.0	0.4425	0.3287	1.1523	0.15594	0.2105	0.7031	0.58207
1.1	0.4471	0.3227	1.1523	0.15594	0.2105	0.7031	0.58207
1.2	0.4516	0.3167	1.1523	0.15594	0.2105	0.7031	0.58207
1.3	0.4559	0.3106	1.1523	0.15594	0.2105	0.7031	0.58207
1.4	0.4599	0.3045	1.1523	0.15594	0.2105	0.7031	0.58207
1.5	0.4638	0.2983	1.1523	0.15594	0.2105	0.7031	0.58207
1.6	0.4675	0.2921	1.1523	0.15594	0.2105	0.7031	0.58207
1.7	0.4711	0.2858	1.1523	0.15594	0.2105	0.7031	0.58207
1.8	0.4746	0.2795	1.1523	0.15594	0.2105	0.7031	0.58207
1.9	0.4779	0.2731	1.1523	0.15594	0.2105	0.7031	0.58207
2.0	0.4811	0.2667	1.1523	0.15594	0.2105	0.7031	0.58207
2.1	0.4842	0.2602	1.1523	0.15594	0.2105	0.7031	0.58207
2.2	0.4872	0.2537	1.1523	0.15594	0.2105	0.7031	0.58207
2.3	0.4901	0.2471	1.1523	0.15594	0.2105	0.7031	0.58207
2.4	0.4929	0.2405	1.1523	0.15594	0.2105	0.7031	0.58207
2.5	0.4956	0.2337	1.1523	0.15594	0.2105	0.7031	0.58207
2.6	0.4982	0.2270	1.1523	0.15594	0.2105	0.7031	0.58207
2.7	0.5007	0.2201	1.1523	0.15594	0.2105	0.7031	0.58207
2.8	0.5031	0.2132	1.1523	0.15594	0.2105	0.7031	0.58207
2.9	0.5054	0.2062	1.1523	0.15594	0.2105	0.7031	0.58207
3.0	0.5076	0.1992	1.1523	0.15594	0.2105	0.7031	0.58207
3.1	0.5097	0.1921	1.1523	0.15594	0.2105	0.7031	0.58207
3.2	0.5117	0.1850	1.1523	0.15594	0.2105	0.7031	0.58207
3.3	0.5137	0.1778	1.1523	0.15594	0.2105	0.7031	0.58207
3.4	0.5156	0.1706	1.1523	0.15594	0.2105	0.7031	0.58207
3.5	0.5174	0.1633	1.1523	0.15594	0.2105	0.7031	0.58207
3.6	0.5192	0.1560	1.1523	0.15594	0.2105	0.7031	0.58207
3.7	0.5209	0.1487	1.1523	0.15594	0.2105	0.7031	0.58207
3.8	0.5226	0.1413	1.1523	0.15594	0.2105	0.7031	0.58207
3.9	0.5242	0.1339	1.1523	0.15594	0.2105	0.7031	0.58207
4.0	0.5258	0.1264	1.1523	0.15594	0.2105	0.7031	0.58207
4.1	0.5273	0.1189	1.1523	0.15594	0.2105	0.7031	0.58207
4.2	0.5287	0.1113	1.1523	0.15594	0.2105	0.7031	0.58207
4.3	0.5301	0.1037	1.1523	0.15594	0.2105	0.7031	0.58207
4.4	0.5314	0.0960	1.1523	0.15594	0.2105	0.7031	0.58207
4.5	0.5327	0.0883	1.1523	0.15594	0.2105	0.7031	0.58207
4.6	0.5339	0.0804	1.1523	0.15594	0.2105	0.7031	0.58207
4.7	0.5351	0.0725	1.1523	0.15594	0.2105	0.7031	0.58207
4.8	0.5362	0.0645	1.1523	0.15594	0.2105	0.7031	0.58207
4.9	0.5373	0.0565	1.1523	0.15594	0.2105	0.7031	0.58207
5.0	0.5383	0.0485	1.1523	0.15594	0.2105	0.7031	0.58207
5.1	0.5393	0.0404	1.1523	0.15594	0.2105	0.7031	0.58207
5.2	0.5403	0.0323	1.1523	0.15594	0.2105	0.7031	0.58207
5.3	0.5412	0.0242	1.1523	0.15594	0.2105	0.7031	0.58207
5.4	0.5421	0.0161	1.1523	0.15594	0.2105	0.7031	0.58207
5.5	0.5430	0.0080	1.1523	0.15594	0.2105	0.7031	0.58207
5.6	0.5439	-0.0020	1.1523	0.15594	0.2105	0.7031	0.58207
5.7	0.5447	-0.0101	1.1523	0.15594	0.2105	0.7031	0.58207
5.8	0.5455	-0.0182	1.1523	0.15594	0.2105	0.7031	0.58207
5.9	0.5462	-0.0262	1.1523	0.15594	0.2105	0.7031	0.58207
6.0	0.5469	-0.0342	1.1523	0.15594	0.2105	0.7031	0.58207
6.1	0.5475	-0.0421	1.1523	0.15594	0.2105	0.7031	0.58207
6.2	0.5481	-0.0500	1.1523	0.15594	0.2105	0.7031	0.58207
6.3	0.5487	-0.0579	1.1523	0.15594	0.2105	0.7031	0.58207
6.4	0.5492	-0.0658	1.1523	0.15594	0.2105	0.7031	0.58207
6.5	0.5498	-0.0736	1.1523	0.15594	0.2105	0.7031	0.58207
6.6	0.5503	-0.0814	1.1523	0.15594	0.2105	0.7031	0.58207
6.7	0.5507	-0.0892	1.1523	0.15594	0.2105	0.7031	0.58207
6.8	0.5511	-0.0969	1.1523	0.15594	0.2105	0.7031	0.58207
6.9	0.5515	-0.1046	1.1523	0.15594	0.2105	0.7031	0.58207
7.0	0.5519	-0.1123	1.1523	0.15594	0.2105	0.7031	0.58207
7.1	0.5523	-0.1199	1.1523	0.15594	0.2105	0.7031	0.58207
7.2	0.5526	-0.1276	1.1523	0.15594	0.2105	0.7031	0.58207
7.3	0.5529	-0.1352	1.1523	0.15594	0.2105	0.7031	0.58207
7.4	0.5532	-0.1428	1.1523	0.15594	0.2105	0.7031	0.58207
7.5	0.5535	-0.1503	1.1523	0.15594	0.2105	0.7031	0.58207
7.6	0.5537	-0.1578	1.1523	0.15594	0.2105	0.7031	0.58207
7.7	0.5539	-0.1653	1.1523	0.15594	0.2105	0.7031	0.58207
7.8	0.5541	-0.1727	1.1523	0.15594	0.2105	0.7031	0.58207
7.9	0.5543	-0.1801	1.1523	0.15594	0.2105	0.7031	0.58207
8.0	0.5545	-0.1875	1.1523	0.15594	0.2105	0.7031	0.58207
8.1	0.5547	-0.1948	1.1523	0.15594	0.2105	0.7031	0.58207
8.2	0.5549	-0.2021	1.1523	0.15594	0.2105	0.7031	0.58207
8.3	0.5551	-0.2094	1.1523	0.15594	0.2105	0.7031	0.58207
8.4	0.5553	-0.2167	1.1523	0.15594	0.2105	0.7031	0.58207
8.5	0.5555	-0.2240	1.1523	0.15594	0.2105	0.7031	0.58207
8.6	0.5557	-0.2312	1.1523	0.15594	0.2105	0.7031	0.58207
8.7	0.5559	-0.2385	1.1523	0.15594	0.2105	0.7031	0.58207
8.8	0.5561	-0.2457	1.1523	0.15594	0.2105	0.7031	0.58207
8.9	0.5563	-0.2529	1.1523	0.15594	0.2105	0.7031	0.58207
9.0	0.5565	-0.2601	1.1523	0.15594	0.2105	0.7031	0.58207
9.1	0.5567	-0.2673	1.1523	0.15594	0.2105	0.7031	0.58207
9.2	0.5569	-0.2745	1.1523	0.15594	0.2105	0.7031	0.58207
9.3	0.5571	-0.2817	1.1523	0.15594	0.2105	0.7031	0.58207
9.4	0.5573	-0.2889	1.1523	0.15594	0.2105	0.7031	0.58207
9.5	0.5575	-0.2961	1.1523	0.15594	0.2105	0.7031	0.58207
9.6	0.5577	-0.3033	1.1523	0.15594	0.2105	0.7031	0.58207
9.7	0.5579	-0.3105	1.1523	0.15594	0.2105	0.7031	0.58207
9.8	0.5581	-0.3177	1.1523	0.15594	0.2105	0.7031	0.58207
9.9	0.5583	-0.3249	1.1523	0.15594	0.2105	0.7031	0.58207
10.0	0.5585	-0.3321	1.1523	0.15594	0.2105	0.7031	0.58207
10.1	0.5587	-0.3393	1.1523	0.15594	0.2105	0.7031	0.58207
10.2	0.5589	-0.3465	1.1523	0.15594	0.2105	0.7031	0.58207
10.3	0.5591	-0.3537	1.1523	0.15594	0.2105	0.7031	0.58207
10.4	0.5593	-0.3609	1.1523	0.15594	0.2105	0.7031	0.58207
10.5	0.5595	-0.3681	1.1523	0.15594	0.2105	0.7031	0.58207
10.6	0.5597	-0.3753	1.1523	0.15594	0.2105	0.7031	0.58207
10.7	0.5599	-0.3825	1.1523	0.15594	0.2105	0.7031	0.58207
10.8	0.5601	-0.3897	1.1523	0.15594	0.2105	0.7031	0.58207
10.9	0.5603	-0.3969	1.1523	0.15594	0.2105	0.7031	0.58207
11.0	0.5605	-0.4041	1.1523	0.15594	0.2105	0.7031	0.58207
11.1	0.5607	-0.4113	1.1523	0.15594	0.2105	0.7031	0.58207
11.2	0.5609	-0.4185	1.1523	0.15594	0.2105	0.7031	0.58207
11.3	0.5611	-0.4257	1.1523	0.15594	0.2105	0.7031	0.58207
11.4	0.5613	-0.4329	1.1523	0.15594	0.2105	0.7031	0.58207
11.5	0.5615	-0.4391	1.1523	0.15594	0.2105	0.7031	0.58207
11.6	0.5617	-0.4463	1.1523	0.15594	0.2105	0.7031	0.58207
11.7	0.5619	-0.4535	1.1523	0.15594	0.2105	0.7031	0.58207
11.8	0.5621	-0.4607	1.1523	0.15594	0.2105	0.7031	0.58207
11.9	0.5623	-0.4679	1.1523	0.15594	0.2105	0.7031	0.58207
12.0	0.5625	-0.4751	1.1523	0.15594	0.2105	0.7031	0.58207
12.1	0.5627	-0.4823	1.1523	0.15594	0.2105	0.7031	0.58207
12.2	0.5629	-0.4895	1.1523	0.15594	0.2105	0.7031	0.58207
12.3	0.5631	-0.4967	1.1523	0.15594	0.2105	0.7031	0.58207
12.4	0.5633	-0.5039	1.1523	0.15594	0.2105	0.7031	0.58207
12.5	0.5635	-0.5111	1.1523	0.15594	0.2105	0.7031	0.58207
12.6	0.5637	-0.5183	1.1523	0.15594	0.2105	0.7031	0.58207
12.7	0.5639	-0.5255	1.1523	0.15594	0.2105	0.7031	0.58207
12.8	0.5641	-0.5327	1.1523	0.15594	0.2105	0.7031	0.58207
12.9	0.5643	-0.5399	1.1523	0.15594			

TABLE I.—Continued

$\frac{\Lambda}{b}$	$\frac{c}{b}$	$\frac{s}{D/b}$	$\frac{s^2}{D/b}$	$\frac{s^2 \sigma^2}{(D/b)^2}$	$\frac{s \bar{v} v}{D/b}$	$\frac{s III}{D/b}$
$\frac{\Lambda}{b} = 3.00$						
0	0.14788	0.85837	1.0738	0.20060	0.23128	0.59285
1	1.5051	85390	1.0714	0.20299	0.23299	0.58867
2	1.45522	88192	1.0695	0.20541	0.23464	0.58449
3	1.45953	88185	1.0666	0.20787	0.23646	0.58028
4	1.45865	88128	1.0641	0.21036	0.23821	0.57606
5	1.46140	83367	1.0617	0.21289	0.23997	0.57183
6	1.46118	81103	1.0593	0.21546	0.24176	0.56557
7	1.46298	82235	1.0568	0.21807	0.24355	0.56330
8	1.47981	88124	1.0544	0.22072	0.24537	0.55902
9	1.47966	81690	1.0519	0.22340	0.24719	0.55571
10	1.47566	81222	1.0597	0.22613	0.24904	0.55139
11	1.47553	80770	1.0619	0.22890	0.25089	0.54605
12	1.47843	80274	1.0655	0.23171	0.25277	0.54169
13	1.48136	79755	1.0619	0.23456	0.25465	0.53732
14	1.48132	79262	1.0624	0.23746	0.25653	0.53393
15	1.49030	78730	1.06369	0.24040	0.25848	0.52893
16	1.49334	78264	1.0674	0.24328	0.26044	0.52409
17	1.49640	77729	1.0619	0.24627	0.26237	0.51944
18	1.49649	77231	1.0624	0.24950	0.26434	0.51568
19	1.50222	76738	1.0628	0.25262	0.26632	0.51069
20	1.50576	76221	1.0622	0.25580	0.26833	0.50639
21	1.50894	75700	1.0616	0.25902	0.27035	0.50167
22	1.51215	75175	1.0610	0.26230	0.27238	0.49716
23	1.51539	74615	1.0604	0.26563	0.27444	0.49253
24	1.52196	74112	1.0638	0.26901	0.27651	0.48880
25	1.52259	73573	1.0612	0.27244	0.27860	0.48311
26	1.52866	72484	1.0060	1.0086	0.27593	0.47880
27	1.53205	71932	1.0033	1.0060	0.27948	0.48283
28	1.53848	70817	1.0007	1.0033	0.28308	0.48951
29	1.53894	70817	0.99803	1.0007	0.29048	0.28713
30	1.54244	70214	0.99236	0.99236	0.29424	0.29080
31	1.54597	69678	0.98268	0.98268	0.29808	0.29373
32	1.54953	69103	0.98999	0.98999	0.30199	0.29597
33	1.55213	68522	0.98788	0.98788	0.30595	0.29822
34	1.55677	67937	0.98457	0.98457	0.30999	0.30050

TABLE I.—Continued

$\frac{g}{D/b}$	$\frac{g^2}{(D/b)^2}$	$\frac{g^3}{(D/b)^3}$
$\frac{g}{D/b} = 3.00$		
$\frac{g}{D/b}$	$\frac{g^2}{(D/b)^2}$	$\frac{g^3}{(D/b)^3}$
3.6	0.56014	0.67346
3.7	0.56115	0.67470
3.8	0.56789	0.66749
3.9	0.57168	0.65535
4.0	0.57550	0.64911
4.1	0.57936	0.64325
4.2	0.58326	0.63692
4.3	0.58720	0.63035
4.4	0.59118	0.62299
4.5	0.59520	0.61769
4.6	0.59927	0.61147
4.7	0.60338	0.60519
4.8	0.60753	0.59883
4.9	0.61172	0.59216
5.0	0.61596	0.58498
5.1	0.62024	0.57832
5.2	0.62457	0.57238
5.3	0.62895	0.56638
5.4	0.63328	0.55752
5.5	0.63755	0.55059
5.6	0.64237	0.54358
5.7	0.64654	0.53653
5.8	0.65174	0.52869
5.9	0.65625	0.52166
6.0	0.66096	0.51428
6.1	0.66574	0.50681
6.2	0.67058	0.49926
6.3	0.67550	0.49169
6.4	0.68047	0.48414
6.5	0.68533	0.47657
6.6	0.69046	0.46833
6.7	0.69558	0.46039
6.8	0.70075	0.45259
6.9	0.70602	0.44474
7.0	0.71226	0.43694

TABLE I.— Continued

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s_{II}c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{III}}{D/b}$
$\frac{\lambda}{b} = 5.00$							
0	0.18061	0.78932	1.0564	0.23099	0.24335	0.52331	0.13046
.1	.78169	.78556	1.0255	.23203	.24535	.53155	.10505
.2	.78276	.78579	1.0249	.23308	.24669	.52994	.07823
.3	.78387	.78402	1.0227	.23413	.24536	.52836	.07997
.4	.78496	.78424	1.0228	.23519	.24603	.52671	.02097
.5	.78606	.78446	1.0216	.23625	.24671	.52519	.01123
.6	.78716	.77667	1.0210	.23732	.24738	.52360	.04550
.7	.78826	.77688	1.0201	.23840	.24806	.52200	.08038
.8	.78937	.77508	1.0191	.23948	.24874	.52041	.11861
.9	.79048	.77328	1.0182	.24057	.24943	.51881	.15906
1.0	.79160	.77147	1.0173	.24157	.24721	.51721	.20248
1.1	.79271	.76965	1.0164	.24257	.25080	.51561	.2479
1.2	.79384	.76783	1.0155	.24357	.25119	.51400	.29836
1.3	.79496	.76601	1.0145	.24457	.25218	.51239	.35284
1.4	.79609	.76418	1.0136	.24557	.25327	.51078	.40663
1.5	.79723	.76235	1.0127	.24657	.25437	.50917	.47135
1.6	.79836	.76051	1.0118	.24757	.25427	.50756	.52448
1.7	.79950	.75868	1.0109	.24857	.25495	.50594	.57164
1.8	.80064	.75686	1.0100	.24957	.25567	.50432	.62032
1.9	.80180	.75496	1.0090	.25057	.25637	.50270	.67006
2.0	.80295	.75309	1.0081	.25157	.25708	.50108	.72919
2.1	.80411	.75112	1.0072	.25257	.25779	.49945	.78448
2.2	.80527	.74926	1.0062	.25350	.25850	.49872	.84411
2.3	.80643	.74739	1.0053	.25448	.25921	.49782	.90118
2.4	.80759	.74552	1.0044	.25547	.25976	.49694	.96101
2.5	.80876	.74365	1.0035	.25645	.26032	.49605	.1.02857
2.6	.80995	.74179	1.0025	.25745	.26085	.49517	1.02555
2.7	.81112	.73991	1.0016	.25845	.26136	.49428	1.04448
2.8	.81229	.73804	1.0006	.25945	.26209	.49337	1.08441
2.9	.81347	.73617	1.0000	.26045	.26281	.49247	1.12743
3.0	.81464	.73430	1.0000	.26145	.26354	.49157	1.17743
3.1	.81580	.73243	1.0000	.26245	.26421	.49067	1.22743
3.2	.81697	.73056	1.0000	.26345	.26484	.48977	1.27743
3.3	.81813	.72869	1.0000	.26445	.26554	.48887	1.32743
3.4	.81929	.72682	1.0000	.26545	.26621	.48797	1.37743
3.5	.82045	.72500	1.0000	.26645	.26689	.48707	1.42743

TABLE I.— Concluded

$\frac{k}{b}$	$c$	$\frac{s_{II}}{D/b}$	$\frac{s}{D/b}$	$c^2$	$\frac{s_{II}c^2}{(D/b)^2}$	$\frac{s_{IV}}{D/b}$	$\frac{s_{III}}{D/b}$
$\frac{\lambda}{b} = 5.00$							
3.6	0	0.52195	0.72256	0.52195	0.72256	0.99311	0.27243
3.7	.52317	.52317	.72060	.52317	.72060	0.99121	0.27270
3.8	.52419	.52419	.71861	.52419	.71861	0.98926	0.27499
3.9	.52522	.52522	.71667	.52522	.71667	0.98631	0.27628
4.0	.52636	.52636	.71469	.52636	.71469	0.98331	0.27758
4.1	.52810	.52810	.71271	.52810	.71271	0.98035	0.27889
4.2	.52914	.52914	.71072	.52914	.71072	0.97740	0.28020
4.3	.53017	.53017	.70873	.53017	.70873	0.97447	0.28153
4.4	.53120	.53120	.70673	.53120	.70673	0.97153	0.28286
4.5	.53320	.53320	.70473	.53320	.70473	0.96853	0.28420
4.6	.53516	.53516	.70271	.53516	.70271	0.96557	0.28554
4.7	.53713	.53713	.69970	.53713	.69970	0.96261	0.28690
4.8	.53909	.53909	.69671	.53909	.69671	0.95963	0.28826
4.9	.54106	.54106	.69364	.54106	.69364	0.95661	0.28955
5.0	.54305	.54305	.69064	.54305	.69064	0.95361	0.29088
5.1	.54503	.54503	.68764	.54503	.68764	0.95060	0.29220
5.2	.54702	.54702	.68464	.54702	.68464	0.94759	0.29354
5.3	.54901	.54901	.68164	.54901	.68164	0.94458	0.29488
5.4	.55100	.55100	.67864	.55100	.67864	0.94157	0.29621
5.5	.55300	.55300	.67564	.55300	.67564	0.93856	0.29754
5.6	.55500	.55500	.67264	.55500	.67264	0.93555	0.29887
5.7	.55700	.55700	.66964	.55700	.66964	0.93254	0.29961
5.8	.55900	.55900	.66664	.55900	.66664	0.92953	0.30094
5.9	.56100	.56100	.66364	.56100	.66364	0.92652	0.30227
6.0	.56300	.56300	.66064	.56300	.66064	0.92351	0.30360
6.1	.56500	.56500	.65764	.56500	.65764	0.92050	0.30493
6.2	.56700	.56700	.65464	.56700	.65464	0.91749	0.30621
6.3	.56900	.56900	.65164	.56900	.65164	0.91448	0.30749
6.4	.57100	.57100	.64864	.57100	.64864	0.91147	0.30871
6.5	.57300	.57300	.64564	.57300	.64564	0.90846	0.30994
6.6	.57500	.57500	.64264	.57500	.64264	0.90545	0.31120
6.7	.57700	.57700	.63964	.57700	.63964	0.90244	0.31242
6.8	.57900	.57900	.63664	.57900	.63664	0.89943	0.31361
6.9	.58100	.58100	.63364	.58100	.63364	0.89642	0.31479
7.0	.58300	.58300	.63064	.58300	.63064	0.89341	0.31597
7.1	.58500	.58500	.62764	.58500	.62764	0.89040	0.31715
7.2	.58700	.58700	.62464	.58700	.62464	0.88739	0.31830
7.3	.58900	.58900	.62164	.58900	.62164	0.88438	0.31947
7.4	.59100	.59100	.61864	.59100	.61864	0.88137	0.32064
7.5	.59300	.59300	.61564	.59300	.61564	0.87836	0.32181
7.6	.59500	.59500	.61264	.59500	.61264	0.87535	0.32298
7.7	.59700	.59700	.60964	.59700	.60964	0.87234	0.32415
7.8	.59900	.59900	.60664	.59900	.60664	0.86933	0.32532
7.9	.60100	.60100	.60364	.60100	.60364	0.86632	0.32649
8.0	.60300	.60300	.60064	.60300	.60064	0.86331	0.32766
8.1	.60500	.60500	.59764	.60500	.59764	0.86030	0.32883
8.2	.60700	.60700	.59464	.60700	.59464	0.85729	0.32999
8.3	.60900	.60900	.59164	.60900	.59164	0.85428	0.33116
8.4	.61100	.61100	.58864	.61100	.58864	0.85127	0.33233
8.5	.61300	.61300	.58564	.61300	.58564	0.84826	0.33349
8.6	.61500	.61500	.58264	.61500	.58264	0.84525	0.33466
8.7	.61700	.61700	.57964	.61700	.57964	0.84224	0.33583
8.8	.61900	.61900	.57664	.61900	.57664	0.83923	0.33699
8.9	.62100	.62100	.57364	.62100	.57364	0.83622	0.33816
9.0	.62300	.62300	.57064	.62300	.57064	0.83321	0.33933
9.1	.62500	.62500	.56764	.62500	.56764	0.83020	0.34049
9.2	.62700	.62700	.56464	.62700	.56464	0.82719	0.34166
9.3	.62900	.62900	.56164	.62900	.56164	0.82418	0.34283
9.4	.63100	.63100	.55864	.63100	.55864	0.82117	0.34399
9.5	.63300	.63300	.55564	.63300	.55564	0.81816	0.34516
9.6	.63500	.63500	.55264	.63500	.55264	0.81515	0.34632
9.7	.63700	.63700	.54964	.63700	.54964	0.81214	0.34749
9.8	.63900	.63900	.54664	.63900	.54664	0.80913	0.34866
9.9	.64100	.64100	.54364	.64100	.54364	0.80612	0.34983
10.0	.64300	.64300	.54064	.64300	.54064	0.80311	0.35100

TABLE II.- VALUES OF  $\frac{s^{III}}{D/b}$

$\lambda/b$	1.1	1.2	1.5	2.0	2.5	3.0	3.2
0	1.3852	1.2528	0.95033	0.63527	0.44808	0.329963	0.294961
.1	1.3561	1.2196	.90613	.58206	.39565	.282870	.250398
.2	1.3239	1.1822	.85491	.51998	.33583	.230325	.201082
.3	1.2876	1.1395	.79457	.44685	.26686	.171272	.146172
.4	1.2461	1.0898	.72206	.35901	.18633	.104362	.0846137
.5	1.1981	1.0309	.63277	.25117	.090925	.0278503	.0150727
.6	1.1414	.95955	.51946	.11522	-.024141	-.0605824	-.0641707
.7	1.0728	.87059	.36998	-.062125	-.16582	-.164044	-.155368
.8	.98736	.75553	.16225	-.30399	-.34492	-.286843	-.261527
.9	.87698	.59939	-.14832	-.65477	-.57893	-.435109	-.386756
1.0	.72718	.37293	-.66763	-1.2117	-.89832	-.617863	-.536820
1.1	.50957	.010451	-1.7230	-2.2367	-1.3612	-.848965	-.720072
1.2	.15973	-.67293	-5.0776	-4.7626	-2.0938	-1.15085	-.949081
1.3	-.50564	-2.4758	-----	-21.305	-3.4322	-1.56237	-1.24368
1.4	-2.3122	-30.579	-----	-----	-6.6670	-2.15720	-1.63712
1.5	-27.694	-----	-----	-----	-25.740	-3.09407	-2.18966
1.6	-----	-----	-----	-----	-----	4.78938	-3.02310
1.7	-----	-----	-----	-----	-----	8.79700	-4.42607
1.8	-----	-----	-----	-----	-----	30.0586	-7.28913
1.9	-----	-----	-----	-----	-----	-----	-16.3758
$\lambda/b$	3.4	3.6	3.8	4.0	4.5	5.0	
k							
0	0.265047	0.239315	0.217044	0.197660	0.158984	0.130458	
.1	.223038	.199809	.179947	.162848	.129284	.105025	
.2	.176902	.156727	.139750	.125348	.0976892	.0782332	
.3	.125970	.109538	.0960329	.0848256	.0640034	.0499670	
.4	.0694224	.0575992	.0482917	.0408836	.0280047	.0200967	
.5	.00623704	.000129198	-.00407640	-.00694516	-.0105616	-.0115229	
.6	-.0648696	-.0638370	-.0618006	-.0592177	-.0519895	-.0450537	
.7	-.145536	-.135502	-.125774	-.116603	-.0966194	-.0806814	
.8	-.237886	-.216386	-.197099	-.179911	-.144848	-.118614	
.9	-.344723	-.308436	-.277153	-.250133	-.197141	-.159088	
1.0	-.469826	-.414194	-.367680	-.328493	-.254046	-.202375	
1.1	-.618415	-.537027	-.470926	-.416527	-.316217	-.248785	
1.2	-.797908	-.681515	-.589824	-.516176	-.384434	-.298676	
1.3	-.1.01922	-.854031	-.728283	-.629946	-.459644	-.352464	
1.4	-.1.29907	-.1.06372	-.891647	-.761113	-.542997	-.410633	
1.5	-.1.66450	-.1.32420	-.1.08738	-.914054	-.635920	-.473750	
1.6	-.2.16223	-.1.65666	-.1.32626	-.1.09475	-.740167	-.542484	
1.7	-.2.88050	-.2.09596	-.1.62456	-.1.31160	-.857991	-.617637	
1.8	-.4.00857	-.2.70387	-.2.00748	-.1.57675	-.992254	-.700159	
1.9	-.6.03892	-.3.60108	-.2.51763	-.1.90850	-.1.14669	-.791206	
2.0	-.10.7175	-.5.05956	-.3.23123	-.2.33572	-.1.32626	-.892188	

TABLE II.- VALUES OF  $\frac{S^{III}}{D/b}$  - Concluded

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$\lambda/b$	6	8	10	15	20
k					
0	0.0921666	0.0527543	0.0340397	0.0152524	0.00860406
.1	.0731585	.0412402	.0264110	.0117431	.00660609
.2	.0534150	.0294648	.0186669	.00821033	.00460053
.3	.0328910	.0174189	.0108122	.00465378	.00258735
.4	.0115378	.00509280	.00283687	.00107323	.000566493
.5	-.0106976	-.00752375	-.00525943	-.00253159	-.00146208
.6	-.0338725	-.0204414	-.0134795	-.00616093	-.00349841
.7	-.0580497	-.0336714	-.0218264	-.00981505	-.00554255
.8	-.0832973	-.0472256	-.0303031	-.0134942	-.00759455
.9	-.109690	-.0611162	-.0389127	-.0171987	-.00965444
1.0	-.137310	-.0753564	-.0476585	-.0209287	-.0117223
1.1	-.166246	-.0899599	-.0565437	-----	-----
1.2	-.196598	-.104941	-.0655720	-----	-----
1.3	-.228474	-.120315	-.0747468	-----	-----
1.4	-.261994	-.136098	-.0840718	-----	-----
1.5	-.297292	-.152307	-.0935509	-----	-----
1.6	-.334516	-.168960	-.103188	-----	-----
1.7	-.373831	-.186075	-.112987	-----	-----
1.8	-.415421	-.203673	-.122953	-----	-----
1.9	-.459493	-.221775	-.133089	-----	-----
2.0	-.506279	-.240404	-.143400	-----	-----
$\lambda/b$					
k	25	30	40	50	
0	0.00551392	0.00383188	0.00215698	0.00138093	
.1	.00422803	.00293617	.00165162	.00105704	
.2	.00293900	.00203895	.00114577	.000732954	
.3	.00164683	.00114020	.000639439	.000408670	
.4	.000351509	.000239931	.000132625	.0000841882	
.5	-.000946985	-.000661869	-.000374672	-.000240492	
.6	-.00224866	-.00156520	-.000882457	-.000565372	
.7	-.00355352	-.00247008	-.00139073	-.000890451	
.8	-.00486159	-.00337649	-.00189948	-.00121573	
.9	-.00617288	-.00428445	-.00240873	-.00154121	
1.0	-.00748739	-.00519396	-.00291846	-.00186688	